

2009 HPO's in the Advanced Materials and Diversified Manufacturing (AMDM) Industry Cluster

(Highlighted occupations are new additions in 2009)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2007	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2004-2006	Percent Change in Wages, 2005-2007	Unempl. Rate, 2006-2008	Completers as Percent of Total Openings	
17-2112	Industrial Engineers	BD	\$ 66,267	170	452	53.73%	3.28%	0.7%	36.06%	Criteria Met
17-3013	Mechanical Drafters	PS VOC	\$ 46,168	35	129	-15.09%	0.09%	1.7%	124.81%	2009 Petition
17-3026	Industrial Engineering Technicians	AD	\$ 50,394	38	122	100.48%	9.19%	2.1%	188.52%	2009 Petition
41-4012	Sales Representatives	MT OJT	\$ 68,722	186	2,041	24.29%	11.20%	3.7%	17.30%	Criteria Met
43-4051	Customer Service Representatives	MT OJT	\$ 36,802	217	4,400	27.21%	10.52%	4.8%	3.66%	Criteria Met
43-5061	Production, Planning & Expediting Clerks	ST OJT	\$ 43,108	97	427	2.10%	12.70%	2.7%	5.39%	Criteria Met
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	\$ 31,184	142	755	-4.51%	6.55%	3.6%	6.62%	Criteria Met
49-9041	Industrial Machinery Mechanics	LT OJT	\$ 41,217	164	520	75.39%	5.52%	2.7%	1.54%	Criteria Met
49-9042	Maintenance & Repair Workers, General	LT OJT	\$ 39,201	41	419	13.39%	5.58%	3.2%	4.53%	2009 Petition
49-9043	Maintenance Workers, Machinery	LT OJT	\$ 37,534	11	47	-30.75%	9.18%	9.3%	4.26%	2009 Petition
51-1011	Supervisors - Production & Operating Workers	WK EXP	\$ 54,368	223	510	-8.53%	5.15%	3.6%	N/A	Criteria Met
51-2022	Electrical & Electronic Equipment Assemblers	ST OJT	\$ 29,762	122	161	-26.27%	5.79%	2.9%	5.59%	CWIA Added
51-2092	Team Assemblers	MT OJT	\$ 29,686	405	1,021	17.20%	9.89%	6.6%	N/A	Criteria Met
51-4011	Computer-Controlled Machine Tool Operators, Metal & Plastic	LT OJT	\$ 32,722	152	193	-3.50%	4.38%	32.8%	1.04%	Criteria Met
51-4012	Numerical Tool & Process Control Programmers	LT OJT	\$ 46,851	12	20	20.22%	-2.89%	32.8%	10.00%	2009 Petition
51-4021	Extruding & Drawing Machine Oprs, Metal & Plastic	MT OJT	\$ 33,920	115	154	19.66%	6.37%	0.0%	3.25%	Criteria Met
51-4031	Cutting, Punching & Press Machine Oprs, Metal & Plastic	MT OJT	\$ 29,866	205	321	34.03%	5.53%	9.4%	3.74%	Criteria Met
51-4041	Machinists	LT OJT	\$ 36,122	356	541	25.07%	6.29%	2.3%	1.11%	Criteria Met
51-4072	Molding & Casting Machine Oprs, Metal & Plastic	MT OJT	\$ 28,558	189	228	29.68%	1.57%	1.7%	1.32%	CWIA Added
51-4081	Multiple Machine Tool Oprs, Metal & Plastic	MT OJT	\$ 31,809	121	164	76.82%	1.41%		1.22%	Criteria Met
51-4111	Tool & Die Makers	LT OJT	\$ 41,822	88	112	9.96%	6.20%	3.7%	16.07%	Criteria Met
51-4121	Welders, Cutters, Solderers & Brazers	PS VOC	\$ 34,398	222	505	11.45%	3.41%	3.0%	9.31%	Criteria Met
51-5023	Printing Machine Operators	MT OJT	\$ 37,248	138	247	-0.27%	8.94%	9.7%	5.26%	Criteria Met
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	\$ 33,570	144	355	5.55%	3.54%	2.5%	N/A	Criteria Met
53-7051	Industrial Truck & Tractor Operators	ST OJT	\$ 31,923	134	964	5.55%	4.99%	10.0%	N/A	Criteria Met

2009 HPO's in the Agriculture and Food Production (AFP) Industry Cluster

(Highlighted occupations are new additions in 2009)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2007	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2004-2006	Percent Change in Wages, 2005-2007	Unempl. Rate, 2006-2008	Completers as Percent of Total Openings	
29-1131	Veterinarians, Large Animals	PROF	\$ 95,020	29	122	38.98%	13.79%	0.0%	101.64%	2008 DeptAg
29-2056	Veterinary Technologists & Technicians	AD	\$ 28,930	56	190	18.83%	10.87%	2.4%	40.00%	2008 DeptAg
31-9096	Veterinary Assistants	ST OJT	\$ 22,930	12	48	10.20%	9.16%		120.83%	2008 DeptAg
41-4012	Sales Representatives	MT OJT	\$ 53,541	175	2,041	24.29%	11.20%	3.7%	17.30%	Criteria Met
43-4051	Customer Service Representatives	MT OJT	\$ 30,493	61	4,400	27.21%	10.52%	4.8%	3.66%	Criteria Met
43-4151	Order Clerks	ST OJT	\$ 29,614	35	434	57.91%	6.83%	3.1%	7.83%	Criteria Met
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	\$ 29,562	44	755	-4.51%	6.55%	3.6%	6.62%	Criteria Met
49-9041	Industrial Machinery Mechanics	LT OJT	\$ 41,216	45	520	75.39%	5.52%	2.7%	1.54%	Criteria Met
51-1011	Supervisors - Production & Operating Workers	WK EXP	\$ 50,523	42	510	-8.53%	5.15%	3.6%	N/A	Criteria Met
51-9111	Packaging & Filling Machine Operators/Tenders	ST OJT	\$ 28,969	137	373	29.52%	2.42%	9.1%	N/A	Criteria Met
53-3031	Driver/Sales Workers	ST OJT	\$ 33,709	64	331	9.05%	0.84%	5.4%	0.00%	Criteria Met
53-3032	Truck Drivers, Heavy & Tractor-Trailer	MT OJT	\$ 39,244	188	2,132	4.25%	8.27%	5.4%	N/A	Criteria Met
53-3033	Truck Drivers, Light or Delivery Services	ST OJT	\$ 28,641	66	1,083	-12.86%	11.02%	5.4%	N/A	CWIA Added
53-7051	Industrial Truck & Tractor Operators	ST OJT	\$ 31,367	120	964	5.55%	4.99%	10.0%	N/A	Criteria Met

2009 HPO's in the Bio-Medical (BM) Industry Cluster

(Highlighted occupations are new additions in 2009)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2007	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2004-2006	Percent Change in Wages, 2005-2007	Unempl. Rate, 2006-2008	Completers as Percent of Total Openings	
13-1111	Management Analysts	BD+	\$ 90,078	35	928	29.44%	8.37%	0.0%	4.31%	Criteria Met
13-2011	Accountants & Auditors	BD	\$ 68,164	26	1,479	44.34%	8.95%	2.0%	162.88%	Criteria Met
15-1032	Computer Software Engineers, Systems Software	BD	\$ 89,438	72	337	22.30%	4.71%	0.8%	246.29%	Criteria Met
17-2112	Industrial Engineers	BD	\$ 81,592	67	452	53.73%	3.28%	0.7%	36.06%	Criteria Met
17-2161	Nuclear Engineers	BD	\$ 107,110	46	53	-24.44%	22.62%	N/A	35.85%	2008 DCED
19-1021	Biochemists & Biophysicists	PhD	\$ 94,556	66	73	43.80%	30.02%	0.0%	2245.21%	2008 DCED
19-1042	Medical Scientists	PhD	\$ 98,218	191	427	46.81%	24.30%	1.8%	188.76%	2008 DCED, Criteria Met
19-2031	Chemists	BD	\$ 68,855	94	165	22.68%	9.89%	0.0%	646.06%	2008 DCED
19-4021	Biological Technicians	AD	\$ 39,639	58	161	19.71%	13.51%	N/A	61.49%	CWIA Added
29-2012	Medical & Clinical Laboratory Technicians	AD	\$ 35,186	32	282	5.90%	11.38%	2.5%	28.01%	Criteria Met
29-2034	Radiologic Technologists & Technicians	AD	\$ 50,348	31	261	15.10%	4.89%	1.8%	188.51%	Criteria Met
41-4011	Sales Representatives, Scientific & Technical	MT OJT	\$ 73,982	48	509	10.17%	13.77%	3.7%	5.70%	Criteria Met
43-4051	Customer Service Representatives	MT OJT	\$ 34,912	67	4,400	27.21%	10.52%	4.8%	3.66%	Criteria Met
43-9061	Office Clerks	ST OJT	\$ 30,607	29	4,035	28.56%	8.04%	3.5%	6.96%	Criteria Met

2009 HPO's in the Building and Construction (BC) Industry Cluster

(Highlighted occupations are new additions in 2009)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2007	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2004-2006	Percent Change in Wages, 2005-2007	Unempl. Rate, 2006-2008	Completers as Percent of Total Openings	
13-1051	Cost Estimators	BD	\$ 56,318	224	374	55.39%	2.49%	1.4%	7.22%	Criteria Met
41-4012	Sales Representatives	MT OJT	\$ 60,561	216	2,041	24.29%	11.20%	3.7%	17.30%	Criteria Met
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	\$ 32,632	136	1,835	20.84%	7.00%	1.8%	91.99%	Criteria Met
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	\$ 61,893	199	330	-5.52%	7.02%	3.6%	1.52%	Criteria Met
47-2021	Brickmasons & Blockmasons	LT OJT	\$ 46,691	117	150	3.08%	14.59%	13.4%	10.00%	Criteria Met, 2007 Petition
47-2022	Stonemasons	LT OJT	\$ 49,191	10	13	38.10%	21.57%	13.4%	7.69%	2007 Petition
47-2031	Carpenters	LT OJT	\$ 40,933	642	1,011	28.94%	10.98%	8.2%	10.48%	Criteria Met
47-2051	Cement Masons & Concrete Finishers	LT OJT	\$ 39,705	182	192	47.20%	1.23%	10.9%	N/A	Criteria Met, 2007 Petition
47-2061	Construction Laborers	MT OJT	\$ 32,909	319	445	16.32%	4.76%	15.6%	N/A	CWIA Added
47-2073	Operating Engineers	MT OJT	\$ 44,397	243	372	-7.27%	13.59%	9.1%	N/A	Criteria Met
47-2111	Electricians	LT OJT	\$ 56,254	500	679	3.64%	7.46%	2.9%	21.21%	Criteria Met
47-2141	Painters, Construction & Maintenance	MT OJT	\$ 36,731	117	219	-13.55%	3.65%	8.4%	N/A	CWIA Added
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	\$ 53,803	264	361	-9.35%	10.15%	6.1%	6.09%	Criteria Met
47-2181	Roofers	MT OJT	\$ 39,055	119	145	-4.86%	18.67%	14.1%	N/A	Criteria Met
47-2211	Sheet Metal Workers	MT OJT	\$ 47,953	92	121	-28.90%	5.37%	9.6%	2.48%	CWIA Added
47-2221	Structural Iron & Steel Workers	LT OJT	\$ 50,937	80	97	-6.60%	-0.42%	0.0%	N/A	CWIA Added
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	LT OJT	\$ 40,912	163	284	12.09%	4.62%	5.1%	42.96%	Criteria Met
51-2092	Team Assemblers	MT OJT	\$ 29,808	76	1,021	17.20%	9.89%	6.6%	N/A	Criteria Met
51-4121	Welders, Cutters, Solderers & Brazers	PS VOC	\$ 34,490	105	505	11.45%	3.41%	3.0%	9.31%	Criteria Met
53-3032	Truck Drivers, Heavy & Tractor-Trailer	MT OJT	\$ 35,520	253	2,132	4.25%	8.27%	5.4%	N/A	Criteria Met

2009 HPO's in the Business and Financial Services (BFS) Industry Cluster

(Highlighted occupations are new additions in 2009)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2007	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2004-2006	Percent Change in Wages, 2005-2007	Unempl. Rate, 2006-2008	Completers as Percent of Total Openings	
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	\$ 52,268	233	432	43.24%	18.70%	2.1%	11.11%	Criteria Met
13-1072	Compensation, Benefits & Job Analysis Specialists	BD	\$ 51,373	83	181	61.54%	0.06%	4.0%	76.24%	Criteria Met
13-1073	Training & Development Specialists	BD	\$ 48,568	88	339	22.20%	3.75%	4.0%	48.38%	Criteria Met
13-1111	Management Analysts	BD+	\$ 87,805	418	928	29.44%	8.37%	0.0%	4.31%	Criteria Met
13-2011	Accountants & Auditors	BD	\$ 69,970	632	1,479	44.34%	8.95%	2.0%	162.88%	Criteria Met
13-2051	Financial Analysts	BD	\$ 72,186	156	284	22.14%	10.65%	3.7%	144.01%	Criteria Met
13-2053	Insurance Underwriters	BD	\$ 64,226	95	139	5.68%	14.59%	0.0%	158.27%	Criteria Met
13-2072	Loan Officers	BD	\$ 53,356	151	157	99.05%	2.25%	14.6%	244.59%	Criteria Met
15-1031	Computer Software Engineers, Applications	BD	\$ 79,306	139	624	26.47%	6.62%	0.8%	114.42%	Criteria Met
15-1041	Computer Support Specialists	AD	\$ 42,357	192	882	16.11%	1.63%	2.5%	50.45%	Criteria Met
15-1051	Computer Systems Analysts	BD	\$ 66,468	295	1,033	10.71%	7.01%	1.6%	78.32%	Criteria Met
15-1071	Network & Computer Systems Administrators	BD	\$ 66,065	143	595	30.87%	6.48%	1.2%	173.95%	Criteria Met
15-1081	Network Systems & Data Communications Analysts	BD	\$ 69,237	137	499	26.60%	7.94%	7.2%	58.92%	Criteria Met
23-1011	Lawyers	PROF	\$ 113,130	418	686	6.21%	9.92%	1.7%	252.33%	Criteria Met
23-2011	Paralegals & Legal Assistants	AD	\$ 43,280	209	270	8.67%	9.31%	0.0%	120.74%	Criteria Met
29-2056	Veterinary Technologists & Technicians	AD	\$ 28,930	122	190	18.83%	10.87%	2.4%	40.00%	Criteria Met
41-3011	Advertising Sales Agents	MT OJT	\$ 60,351	88	250	51.80%	11.86%	0.9%	136.40%	Criteria Met
41-3021	Insurance Sales Agents	BD	\$ 61,413	296	436	8.48%	11.64%	1.6%	5.28%	Criteria Met
41-9022	Real Estate Sales Agents	PS VOC	\$ 46,386	93	216	94.52%	0.56%	6.7%	34.26%	Criteria Met
43-3021	Billing & Posting Clerks & Machine Operators	ST OJT	\$ 30,676	81	341	0.25%	9.03%	4.1%	29.91%	Criteria Met
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	\$ 31,963	443	1,835	20.84%	7.00%	1.8%	91.99%	Criteria Met
43-4011	Brokerage Clerks	MT OJT	\$ 33,766	125	126	7.75%	2.58%	N/A	10.32%	Criteria Met
43-4051	Customer Service Representatives	MT OJT	\$ 30,550	1,524	4,400	27.21%	10.52%	4.8%	3.66%	Criteria Met
43-4131	Loan Interviewers & Clerks	ST OJT	\$ 28,702	156	163	82.79%	14.90%	4.1%	10.43%	Criteria Met
43-6012	Legal Secretaries	PS VOC	\$ 35,795	273	300	1.16%	-2.41%	2.9%	12.33%	CWIA Added
43-6014	Secretaries	MT OJT	\$ 28,157	258	1,446	-16.37%	4.80%	2.9%	13.21%	2008 Demand
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	\$ 33,814	95	154	4.56%	11.55%	3.3%	23.38%	Criteria Met

2009 HPO's in the Education (ED) Industry Cluster

(Highlighted occupations are new additions in 2009)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2007	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2004-2006	Percent Change in Wages, 2005-2007	Unempl. Rate, 2006-2008	Completers as Percent of Total Openings	
11-9033	Education Administrators, Postsecondary	BD+	\$ 98,443	242	251	3.30%	29.32%	4.5%	259.76%	Criteria Met
19-1042	Medical Scientists	PhD	\$ 57,950	182	427	46.81%	24.30%	1.8%	188.76%	Criteria Met
21-1012	Educational, Vocational & School Counselors	MD	\$ 53,016	221	355	32.97%	6.03%	2.2%	294.08%	Criteria Met
25-1011	Business Teachers, Postsecondary	PhD	\$ 78,332	183	184	-7.66%	12.33%	1.7%	28.80%	Criteria Met
25-1021	Computer Science Teachers, Postsecondary	PhD	\$ 78,614	81	81	-4.13%	29.48%	1.7%	22.22%	Criteria Met
25-1022	Mathematical Science Teachers, Postsecondary	PhD	\$ 69,798	118	118	-7.54%	9.25%	1.7%	23.73%	Criteria Met
25-1032	Engineering Teachers, Postsecondary	PhD	\$ 95,735	109	109	-18.40%	25.73%	1.7%	20.18%	CWIA Added
25-1042	Biological Science Teachers, Postsecondary	PhD	\$ 76,511	131	131	37.83%	13.44%	1.7%	22.90%	Criteria Met
25-1066	Psychology Teachers, Postsecondary	PhD	\$ 68,251	80	80	18.32%	3.46%	1.7%	21.25%	Criteria Met
25-1071	Health Specialties Teachers, Postsecondary	PhD	\$ 77,061	182	191	35.52%	-8.04%	1.7%	23.04%	2009 Allied Hlth
25-1072	Nursing Instructors & Teachers, Postsecondary	MD (MSN)*	\$ 61,483	89	103	26.64%	4.43%	1.7%	21.36%	2008 Demand, Criteria Met
25-1081	Education Teachers, Postsecondary	PhD	\$ 65,655	148	148	13.62%	14.52%	1.7%	43.24%	Criteria Met
25-1121	Art, Drama & Music Teachers, Postsecondary	PhD	\$ 58,122	167	170	7.24%	13.53%	1.7%	242.35%	Criteria Met
25-1194	Vocational Education Teachers, Postsecondary	WK EXP	\$ 48,384	131	169	13.23%	16.76%	1.7%	39.05%	Criteria Met
25-2011	Preschool Teachers	BD	\$ 23,380	371	538	5.97%	5.91%	2.6%	68.96%	2008 Petition
25-2012	Kindergarten Teachers	BD	\$ 48,850	138	143	27.35%	4.89%	2.6%	424.48%	CWIA Added
25-2021	Elementary School Teachers	BD	\$ 50,556	1,615	1,683	17.19%	4.22%	2.7%	340.46%	CWIA Added
25-2022	Middle School Teachers	BD	\$ 53,228	606	617	21.80%	4.96%	2.7%	144.57%	Criteria Met
25-2031	Secondary School Teachers	BD	\$ 52,161	1,336	1,353	-15.82%	5.97%	0.8%	166.44%	CWIA Added
25-2032	Vocational Education Teachers, Secondary School	BD	\$ 52,540	135	136	-5.77%	1.14%	0.8%	20.59%	Criteria Met
25-2041	Special Education Teachers, Pre-, Kindergarten & Elem.	BD	\$ 55,224	285	303	22.58%		1.7%	257.43%	Criteria Met
25-2042	Special Education Teachers, Middle School	BD	\$ 53,490	108	110	33.93%	6.71%	1.7%	290.91%	Criteria Met
25-2043	Special Education Teachers, Secondary School	BD	\$ 54,290	127	134	3.61%	3.61%	1.7%	320.90%	CWIA Added
25-3011	ESL Teachers	BD	\$ 44,180	18	38	-31.99%	15.64%	3.2%	784.21%	2008 Demand
39-9011	Child Care Workers	AD*	\$ 18,660	728	1,810	34.72%	9.30%	8.1%	13.04%	2008 Petition, 2008 Demand

2009 HPO's in the Energy (ENGY) Industry Cluster

(Highlighted occupations are new additions in 2009)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2007	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2004-2006	Percent Change in Wages, 2005-2007	Unempl. Rate, 2006-2008	Completers as Percent of Total Openings	
17-2161	Nuclear Engineers	BD	\$ 90,790	6	53	-24.44%	22.62%	N/A	35.85%	2008 DCED
41-4012	Sales Representatives	MT OJT	\$ 64,062	27	2,041	24.29%	11.20%	3.70%	17.30%	Criteria Met
43-4051	Customer Service Representatives	MT OJT	\$ 34,671	73	4,400	27.21%	10.52%	4.78%	3.66%	Criteria Met
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	\$ 70,446	23	330	-5.52%	7.02%	3.63%	1.52%	CWIA Added
47-2073	Operating Engineers	MT OJT	\$ 45,055	52	372	-7.27%	13.59%	9.14%	N/A	Criteria Met
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	\$ 52,687	23	361	-9.35%	10.15%	6.06%	6.09%	CWIA Added
49-9041	Industrial Machinery Mechanics	LT OJT	\$ 46,377	39	520	75.39%	5.52%	2.66%	1.54%	Criteria Met
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	\$ 55,280	100	139	91.24%	4.96%	0.00%	20.86%	Criteria Met
49-9052	Telecommunications Line Installers & Repairers	LT OJT	\$ 41,960	29	310	91.03%	10.77%	6.66%	0.32%	Criteria Met
51-1011	Supervisors - Production & Operating Workers	WK EXP	\$ 58,964	21	510	-8.53%	5.15%	3.56%	N/A	CWIA Added
51-2092	Team Assemblers	MT OJT	\$ 30,127	69	1,021	17.20%	9.89%	6.61%	N/A	Criteria Met
51-4121	Welders, Cutters, Solderers & Brazers	PS VOC	\$ 34,789	30	505	11.45%	3.41%	3.02%	9.31%	Criteria Met
53-3032	Truck Drivers, Heavy & Tractor-Trailer	MT OJT	\$ 35,003	95	2,132	4.25%	8.27%	5.36%	N/A	Criteria Met
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	\$ 30,392	57	3,563	23.92%	4.55%	8.11%	N/A	Criteria Met
53-7081	Refuse & Recyclable Material Collectors	ST OJT	\$ 28,259	81	150	-1.60%	4.94%	12.68%	N/A	CWIA Added

2009 HPO's in the Health Care (HC) Industry Cluster

(Highlighted occupations are new additions in 2009)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2007	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2004-2006	Percent Change in Wages, 2005-2007	Unempl. Rate, 2006-2008	Completers as Percent of Total Openings	
11-9111	Medical & Health Services Managers	BD+	\$ 79,034	350	511	26.66%	6.57%	1.4%	262.62%	Criteria Met
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	\$ 51,816	129	432	43.24%	18.70%	2.1%	11.11%	Criteria Met
21-1011	Substance Abuse & Behavioral Disorder Counselors	MD	\$ 37,691	220	349	90.13%	23.70%	2.2%	75.36%	Criteria Met
21-1014	Mental Health Counselors	MD	\$ 33,402	454	647	81.22%	6.53%	2.2%	87.64%	Criteria Met
21-1021	Child, Family & School Social Workers	BD	\$ 33,643	163	733	20.36%	6.80%	1.6%	69.71%	Criteria Met
21-1022	Medical & Public Health Social Workers	BD	\$ 43,188	192	357	63.97%	3.79%	1.6%	70.31%	Criteria Met
21-1023	Mental Health & Substance Abuse Social Workers	MD	\$ 34,557	341	464	48.74%	11.22%	1.6%	54.53%	Criteria Met
21-1093	Social & Human Service Assistants	MT OJT	\$ 25,163	304	724	20.89%	8.77%	7.3%	46.55%	CWIA Added
25-1072	Nursing Instructors & Teachers, Postsecondary	MD (MSN)*	\$ 60,121	14	103	26.64%	4.43%	1.7%	21.36%	2008 Demand
29-1021	Dentists, General	PROF	\$ 127,520	83	120	6.73%	13.50%	0.0%	257.50%	Criteria Met
29-1051	Pharmacists	PROF	\$ 89,645	121	401	19.88%	10.34%	1.6%	196.51%	Criteria Met
29-1062	Family & General Practitioners	PROF	\$ 153,669	243	286	7.92%	18.31%	1.5%	127.97%	Criteria Met
29-1071	Physician Assistants	BD	\$ 67,614	124	135	20.75%	16.62%	0.0%	448.15%	CWIA Added
29-1111	Registered Nurses	AD	\$ 59,458	4,174	4,803	7.07%	9.70%	1.2%	148.39%	Criteria Met
29-1122	Occupational Therapists	BD	\$ 64,588	170	219	37.95%	6.50%	0.0%	147.95%	Criteria Met
29-1123	Physical Therapists	MD	\$ 70,853	286	341	16.42%	7.80%	0.8%	378.01%	CWIA Added
29-1126	Respiratory Therapists	AD	\$ 51,315	146	155	9.03%	11.81%	4.7%	102.58%	Criteria Met
29-2011	Medical & Clinical Laboratory Technologists	BD	\$ 48,785	165	249	36.38%	6.83%	2.5%	22.89%	Criteria Met
29-2012	Medical & Clinical Laboratory Technicians	AD	\$ 37,397	201	282	5.90%	11.38%	2.5%	28.01%	Criteria Met
29-2021	Dental Hygienists	AD	\$ 54,989	320	324	-6.27%	8.71%	0.0%	85.19%	Criteria Met
29-2031	Cardiovascular Technologists & Technicians	AD	\$ 44,599	98	108	30.08%	11.77%	1.8%	37.96%	2007 Petition, Criteria Met
29-2034	Radiologic Technologists & Technicians	AD	\$ 46,596	218	261	15.10%	4.89%	1.8%	188.51%	Criteria Met
29-2041	Emergency Medical Technicians & Paramedics	PS VOC	\$ 26,880	347	415	-4.05%	10.40%	0.0%	13.98%	CWIA Added
29-2052	Pharmacy Technicians	MT OJT	\$ 29,457	172	854	52.92%	14.56%	2.4%	7.03%	Criteria Met
29-2055	Surgical Technologists	PS VOC	\$ 36,117	161	167	-5.98%	9.31%	2.4%	70.66%	Criteria Met
29-2061	Licensed Practical & Licensed Vocational Nurses	PS VOC	\$ 39,668	1,176	1,450	2.31%	3.95%	2.7%	25.52%	Criteria Met
29-2071	Medical Records & Health Information Technicians	AD	\$ 30,556	271	340	30.85%	6.34%	0.0%	40.00%	Criteria Met
31-1011	Home Health Aides	ST OJT	\$ 20,584	1,554	2,277	81.09%	8.03%	4.7%	0.53%	CWIA Added
31-1012	Nursing Aides, Orderlies & Attendants	ST OJT	\$ 24,232	1,492	1,833	14.92%	7.01%	4.7%	8.13%	CWIA Added
31-2021	Physical Therapist Assistants	AD	\$ 39,216	142	150	47.81%	6.81%	0.0%	98.00%	Criteria Met
31-9091	Dental Assistants	MT OJT	\$ 29,725	513	527	42.14%	12.33%	1.7%	10.63%	Criteria Met
31-9094	Medical Transcriptionists	PS VOC	\$ 29,945	107	122	-20.93%	6.34%	N/A	32.79%	CWIA Added
31-9099	Phlebotomists	N/A	\$ 27,691	106	149	-50.07%	16.11%	N/A	297.32%	2009 Allied Hlth
43-3021	Billing & Posting Clerks & Machine Operators	ST OJT	\$ 29,599	122	341	0.25%	9.03%	4.1%	29.91%	Criteria Met
43-6013	Medical Secretaries	PS VOC	\$ 27,722	590	635	40.76%	5.52%	2.9%	14.02%	CWIA Added
51-9081	Dental Laboratory Technicians	LT OJT	\$ 33,616	8	69	58.14%	18.16%	0.0%	N/A	2008 Allied Hlth
51-9082	Medical Appliance Technicians	LT OJT	\$ 47,080	5	56	48.98%	21.93%	0.0%	N/A	2008 Allied Hlth

2009 HPO's in the Information and Communication Services (ICS) Industry Cluster

(Highlighted occupations are new additions in 2009)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2007	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2004-2006	Percent Change in Wages, 2005-2007	Unempl. Rate, 2006-2008	Completers as Percent of Total Openings	
15-1021	Computer Programmers	BD	\$ 75,560	192	404	-9.20%	17.43%	1.9%	122.28%	Criteria Met
15-1031	Computer Software Engineers, Applications	BD	\$ 88,347	278	624	26.47%	6.62%	0.8%	114.42%	Criteria Met
15-1032	Computer Software Engineers, Systems Software	BD	\$ 83,918	140	337	22.30%	4.71%	0.8%	246.29%	Criteria Met
15-1041	Computer Support Specialists	AD	\$ 39,846	222	882	16.11%	1.63%	2.5%	50.45%	Criteria Met
15-1051	Computer Systems Analysts	BD	\$ 74,967	283	1,033	10.71%	7.01%	1.6%	78.32%	Criteria Met
15-1071	Network & Computer Systems Administrators	BD	\$ 70,478	145	595	30.87%	6.48%	1.2%	173.95%	Criteria Met
15-1081	Network Systems & Data Communications Analysts	BD	\$ 80,118	113	499	26.60%	7.94%	7.2%	58.92%	Criteria Met
17-2051	Civil Engineers	BD	\$ 70,863	173	333	49.72%	8.01%	2.3%	195.80%	Criteria Met
17-2081	Environmental Engineers	BD	\$ 79,411	52	140	54.76%	16.87%	0.0%	24.29%	2008 DEP
17-3011	Architectural & Civil Drafters	PS VOC	\$ 40,502	106	157	10.20%	2.32%	1.7%	143.31%	Criteria Met, 2008 Petition
27-1024	Graphic Designers	BD	\$ 43,102	87	309	48.87%	7.86%	3.1%	374.43%	CWIA Added
41-3011	Advertising Sales Agents	MT OJT	\$ 49,108	133	250	51.80%	11.86%	0.9%	136.40%	Criteria Met
41-4011	Sales Representatives, Scientific & Technical	MT OJT	\$ 79,216	80	509	10.17%	13.77%	3.7%	5.70%	Criteria Met
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	\$ 33,500	56	1,835	20.84%	7.00%	1.8%	91.99%	Criteria Met
43-4051	Customer Service Representatives	MT OJT	\$ 39,943	420	4,400	27.21%	10.52%	4.8%	3.66%	Criteria Met
43-9061	Office Clerks	ST OJT	\$ 28,969	147	4,035	28.56%	8.04%	3.5%	6.96%	Criteria Met
49-2022	Telecommunications Equipment Installers & Repairers	PS VOC	\$ 54,231	94	201	1.67%	3.83%	4.4%	0.50%	Criteria Met
49-9052	Telecommunications Line Installers & Repairers	LT OJT	\$ 55,088	163	310	91.03%	10.77%	6.7%	0.32%	Criteria Met

2009 HPO's in the Logistics and Transportation (LT) Industry Cluster

(Highlighted occupations are new additions in 2009)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2007	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2004-2006	Percent Change in Wages, 2005-2007	Unempl. Rate, 2006-2008	Completers as Percent of Total Openings	
43-4051	Customer Service Representatives	MT OJT	\$ 31,924	116	4,400	27.21%	10.52%	4.8%	3.66%	Criteria Met
43-5011	Cargo & Freight Agents	MT OJT	\$ 36,240	112	133	150.86%	-2.00%	N/A	3.76%	CWIA Added
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	\$ 30,581	66	755	-4.51%	6.55%	3.6%	6.62%	Criteria Met
43-9061	Office Clerks	ST OJT	\$ 29,075	98	4,035	28.56%	8.04%	3.5%	6.96%	Criteria Met
49-3031	Bus, Truck & Diesel Engine Mechanics	PS VOC	\$ 36,124	77	305	-28.03%	5.93%	3.7%	8.52%	CWIA Added
53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	\$ 52,544	110	286	7.13%	2.25%	0.0%	2.10%	Criteria Met
53-3032	Truck Drivers, Heavy & Tractor-Trailer	MT OJT	\$ 41,163	1,009	2,132	4.25%	8.27%	5.4%	N/A	Criteria Met
53-7051	Industrial Truck & Tractor Operators	ST OJT	\$ 30,872	367	964	5.55%	4.99%	10.0%	N/A	Criteria Met

2009 HPO's in the Lumber Wood and Paper (LWP) Industry Cluster

(Highlighted occupations are new additions in 2009)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2007	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2004-2006	Percent Change in Wages, 2005-2007	Unempl. Rate, 2006-2008	Completers as Percent of Total Openings	
41-4012	Sales Representatives	MT OJT	\$ 66,436	72	2,041	24.29%	11.20%	3.7%	17.30%	Criteria Met
43-4051	Customer Service Representatives	MT OJT	\$ 34,387	55	4,400	27.21%	10.52%	4.8%	3.66%	Criteria Met
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	\$ 31,076	28	755	-4.51%	6.55%	3.6%	6.62%	Criteria Met
47-2031	Carpenters	LT OJT	\$ 30,742	48	1,011	28.94%	10.98%	8.2%	10.48%	Criteria Met
49-9041	Industrial Machinery Mechanics	LT OJT	\$ 39,999	27	520	75.39%	5.52%	2.7%	1.54%	Criteria Met
51-1011	Supervisors - Production & Operating Workers	WK EXP	\$ 52,068	37	510	-8.53%	5.15%	3.6%	N/A	Criteria Met
51-2092	Team Assemblers	MT OJT	\$ 29,930	76	1,021	17.20%	9.89%	6.6%	N/A	Criteria Met
51-7011	Cabinetmakers & Bench Carpenters	LT OJT	\$ 34,495	108	205	8.19%	16.70%	7.6%	5.85%	Criteria Met
51-7042	Woodworking Machine Oprs/Tenders	MT OJT	\$ 26,538	126	198	23.48%	6.98%	1.8%	5.56%	2008 Demand
51-9196	Paper Goods Machine Oprs/Tenders	MT OJT	\$ 32,917	162	189	31.87%	10.10%	0.0%	N/A	Criteria Met, 2008 Demand
53-3032	Truck Drivers, Heavy & Tractor-Trailer	MT OJT	\$ 34,146	41	2,132	4.25%	8.27%	5.4%	N/A	Criteria Met
53-7051	Industrial Truck & Tractor Operators	ST OJT	\$ 29,931	64	964	5.55%	4.99%	10.0%	N/A	Criteria Met

Footnotes:

¹ Educational Attainment Abbreviations:

Short-term, Moderate-term and Long-term training (**ST OJT**, **MT OJT** and **LT OJT**) – basic tasks and skills are learned through a period of on-the-job training.

Work experience in a related occupation (**WK EXP**) – training is gained through hands-on work in a similar occupation.

Postsecondary vocational award (**PS VOC**) – training is gained through a vocational training program.

Associate Degree (**AD or AD***) – degree completed after two years of full-time schooling beyond high school.

Bachelor's Degree (**BD**) – degree completed after four years of full-time schooling beyond high school.

Bachelor's Degree plus experience (**BD+**) – a four-year bachelor's degree plus experience gained through hands-on experience.

Master's (**MD**), Master's in Nursing (**MD (MSN)**), Doctoral (**PhD**) or First Professional Degree (**PROF**) – training at the college or university level beyond a four-year bachelor's degree.

² Source Definitions:

Criteria Met - Occupations met all of the data screens established for the HPO process.

CWIA added - Occupations failing only one criteria screen (other than job openings) that were evaluated and added by the Center for Workforce Information and Analysis.

2006, 2007, or 2008 Petition - Occupation was added to the list via the formal petitioning process in the given year.

Demand - Occupation was added due to a need identified outside of the petitioning process.

Allied Hlth group - Added to the list because of known initiatives and work being done by The Allied Health workgroup.

DCED - The Department of Community & Economic Development requested that these occupations be added due to known demand or future need.

DEP - The Department of Environmental Protection requested that these occupations be added due to known demand or future need.

Dept of Ag - The Department of Agriculture requested that these occupations be added due to known demand or future need.