

Career Goal Survey

I am a ☐ Female ☐ Male

My career plan includes: ☐ 4-year college ☐ 2-year college ☐ Workforce ☐ Apprenticeship ☐ Military

Place an "X" in the oval of the career cluster you are planning to pursue

☐	Agriculture, Food & Natural Resources The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.
☐	Architecture & Construction Careers in designing, planning, managing, building and maintaining the built environment.
☐	Arts, A/V Technology & Communications Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.
☐	Business Management & Administration Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.
☐	Education & Training Planning, managing and providing education and training services, and related learning support services such as administration, teaching/training, administrative support, and professional support services.
☐	Finance Planning and related services for financial and investment planning, banking, insurance, and business financial management.
☐	Government & Public Administration Planning and executing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.
☐	Health Science Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
☐	Hospitality & Tourism Preparing individuals for employment in career pathways that relate to families and human needs such as restaurant and food/beverage services, lodging, travel and tourism, recreation, amusement and attractions.
☐	Human Services Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.
☐	Information Technology Building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.
☐	Law, Public Safety, Corrections & Security Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.
☐	Manufacturing Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.
☐	Marketing Planning, managing, and performing marketing activities to reach organizational objectives such as brand management, professional sales, merchandising, marketing communications and market research.
☐	Science, Technology, Engineering & Mathematics Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.
☐	Transportation, Distribution & Logistics The planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

**Erie County Technical School
Career Interest Survey
9th Graders 2012-2013**

Gender	Career Plan	Industry	Gender	Career Plan	Industry	% Industry	PA HPO SOCs	% SOC	Combo
<i>Female</i>	<i>4-Year College</i>	<i>Agriculture, Food & Natural Resource</i>	618	1363	130	7%	5	3%	9%
<i>Male</i>	<i>2-Year College</i>	<i>Architecture & Construction</i>	650	229	148	8%	21	11%	19%
<i>Duplicate</i>	<i>Workforce</i>	<i>Arts, A/V Tech & Communications</i>	658	131	244	13%	2	1%	14%
<i>Blank</i>	<i>Apprenticeship</i>	<i>Business Management & Administration</i>	5	24	84	4%	26	14%	19%
	<i>Military</i>	<i>Education & Training</i>		93	152	8%	9	5%	13%
	<i>Blank</i>	<i>Finance</i>		91	28	1%	10	5%	7%
		<i>Government & Public Administration</i>			17	1%	1	1%	1%
		<i>Health Science</i>			215	11%	20	11%	22%
		<i>Hospitality & Tourism</i>			68	4%	0	0%	4%
		<i>Human Services</i>			195	10%	6	3%	13%
		<i>Information Technology</i>			66	3%	12	7%	10%
		<i>Law, Public Safety, Corrections & Security</i>			100	5%	3	2%	7%
		<i>Manufacturing</i>			126	7%	31	17%	23%
		<i>Marketing</i>			47	2%	13	7%	10%
		<i>Science, Technology, Engineering & Math</i>			152	8%	6	3%	11%
		<i>Transportation, Distribution & Logistics</i>			158	8%	18	10%	18%
			1,268	1,840	1,930	100%	183	100%	200%
			1,931						

**Erie County Technical School
Career Plan Survey
9th Graders 2012-2013**

Sorted by Highest Student Interest

Industry	Industry	% Industry
<i>Arts, A/V Tech & Communications</i>	244	13%
<i>Health Science</i>	215	11%
<i>Human Services</i>	195	10%
<i>Transportation, Distribution & Logistics</i>	158	8%
<i>Education & Training</i>	152	8%
<i>Science, Technology, Engineering & Math</i>	152	8%
<i>Architecture & Construction</i>	148	8%
<i>Agriculture, Food & Natural Resource</i>	130	7%
<i>Manufacturing</i>	126	7%
<i>Law, Public Safety, Corrections & Security</i>	100	5%
<i>Business Management & Administration</i>	84	4%
<i>Hospitality & Tourism</i>	68	4%
<i>Information Technology</i>	66	3%
<i>Marketing</i>	47	2%
<i>Finance</i>	28	1%
<i>Government & Public Administration</i>	17	1%

2012 HPO's in the Advanced Materials and Diversified Manufacturing (AMDM) Industry Cluster

(Highlighted occupations are new additions in 2012)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	
11-1021	General & Operations Managers	AD+	\$117,213	79	956	28.20%	9.20%	6.25%	271.03%	Criteria Met
11-3051	Industrial Production Managers	BD+	\$95,149	97	217	2.13%	6.65%	6.68%	157.14%	Criteria Met
13-1023	Purchasing Agents	LT OJT	\$57,750	88	396	-3.84%	7.04%	7.86%	7.07%	Criteria Met
17-2112	Industrial Engineers	BD	\$75,667	113	359	13.26%	2.20%	1.19%	53.20%	Criteria Met
17-2141	Mechanical Engineers	BD	\$74,353	125	452	16.15%	2.19%	5.83%	191.37%	Criteria Met
17-3013	Mechanical Drafters	AD	\$48,791	36	114	4.87%	0.12%	10.20%	191.23%	2009 Petition
17-3026	Industrial Engineering Technicians	AD	\$52,446	36	98	-16.96%	0.64%	12.51%	337.76%	2009 Petition
41-4012	Sales Representatives	MT OJT	\$67,543	159	2,357	-9.58%	2.92%	6.20%	19.73%	Criteria Met
43-4051	Customer Service Representatives	ST OJT	\$39,352	145	3,240	-3.29%	2.19%	9.29%	5.40%	Criteria Met
43-5061	Production, Planning & Expediting Clerks	MT OJT	\$48,173	97	372	-3.15%	5.04%	2.89%	6.45%	Criteria Met
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	\$33,848	123	697	-5.92%	2.15%	8.41%	7.03%	Criteria Met
49-9041	Industrial Machinery Mechanics	LT OJT	\$46,340	210	738	5.54%	2.24%	4.46%	2.17%	Criteria Met
49-9043	Maintenance Workers, Machinery	MT OJT	\$37,622	17	71	16.67%	-2.21%	22.68%	4.23%	2009 Petition
49-9071	Maintenance & Repair Workers, General	MT OJT	\$41,621	103	1,443	N/A	N/A	N/A	0.76%	2009 Petition
51-1011	Supervisors - Production & Operating Workers	PS	\$57,257	150	362	-11.11%	1.99%	5.51%	0.28%	CWIA Added
51-4011	Computer-Controlled Machine Tool Operators, Metal & Plastic	MT OJT	\$37,191	191	249	-21.80%	5.02%	21.07%	2.41%	CWIA Added
51-4012	Numerical Tool & Process Control Programmers	MT OJT	\$45,268	25	39	-6.84%	1.35%	21.07%	12.82%	2009 Petition
51-4021	Extruding & Drawing Machine Setters, Oprs & Tenders, Metal & Plastic	MT OJT	\$37,761	153	207	22.76%	2.06%	0.00%	4.83%	Criteria Met
51-4041	Machinists	LT OJT	\$39,894	327	508	-17.72%	3.83%	11.30%	3.74%	CWIA Added
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	\$35,339	91	119	-4.84%	3.18%	0.00%	4.20%	Criteria Met
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	\$37,297	250	528	-21.88%	4.54%	15.84%	21.78%	CWIA Added
51-4191	Heat Treating Equipment Setters, Operators & Tenders, Metal & Plastic	MT OJT	\$36,882	129	138	1.75%	-2.06%	0.00%	1.45%	CWIA Added
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	\$38,100	245	593	-12.38%	5.74%	8.87%	0.17%	CWIA Added

2012 HPO's in the Agriculture and Food Production (AFP) Industry Cluster

(Highlighted occupations are new additions in 2012)

				Job Openings		All Industries				
SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	Source ²
11-9013	Farm & Agricultural Managers	WK EXP	\$55,121	0	803	N/A	N/A	N/A	201.49%	2010 Petition
29-2056	Veterinary Technologists & Technicians	AD	\$32,514	58	188	5.14%	8.49%	0.87%	36.17%	Criteria Met
41-4012	Sales Representatives	MT OJT	\$55,664	196	2,357	-9.58%	2.92%	6.20%	19.73%	Criteria Met
43-4051	Customer Service Representatives	ST OJT	\$34,067	46	3,240	-3.29%	2.19%	9.29%	5.40%	Criteria Met
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	\$34,088	47	697	-5.92%	2.15%	8.41%	7.03%	Criteria Met
45-1011	Farm & Forestry Worker Supervisors	WK EXP	\$47,408	6	61	-5.38%	2.24%	5.14%	13.11%	2010 Petition
49-9041	Industrial Machinery Mechanics	LT OJT	\$47,275	74	738	5.54%	2.24%	4.46%	2.17%	Criteria Met
49-9071	Maintenance & Repair Workers, General	MT OJT	\$40,690	47	1,443	N/A	N/A	N/A	0.76%	Criteria Met
51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	\$33,345	128	351	4.53%	6.73%	20.89%	0.28%	Criteria Met
53-3031	Driver/Sales Workers	ST OJT	\$36,544	114	425	-10.71%	5.57%	7.77%	0.00%	CWIA Added
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	\$45,223	209	2,575	-8.27%	3.30%	7.77%	N/A	Criteria Met
53-3033	Light Truck or Delivery Services Drivers	ST OJT	\$32,502	52	941	-8.42%	2.96%	7.77%	N/A	Criteria Met

2012 HPO's in the Bio-Medical (BM) Industry Cluster

(Highlighted occupations are new additions in 2012)

				Job Openings		All Industries				
SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	Source ²
17-2112	Industrial Engineers	BD	\$81,611	35	359	13.26%	2.20%	1.19%	53.20%	Criteria Met
17-2141	Mechanical Engineers	BD	\$85,795	41	452	16.15%	2.19%	5.83%	191.37%	Criteria Met
19-4021	Biological Technicians	BD	\$43,413	90	136	3.11%	-2.37%	0.00%	95.59%	CWIA Added
29-2037	Radiologic Technologists and Technicians	AD	\$55,051	42	326	N/A	N/A	N/A	N/A	Criteria Met
41-4011	Sales Representatives, Technical & Scientific Products	BD	\$94,803	52	506	-7.70%	14.96%	6.20%	6.32%	Criteria Met
43-4051	Customer Service Representatives	ST OJT	\$55,746	53	3,240	-3.29%	2.19%	9.29%	5.40%	Criteria Met
43-9061	Office Clerks, General	ST OJT	\$35,014	32	3,629	-7.47%	4.21%	9.91%	7.50%	Criteria Met
51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	\$31,736	46	351	4.53%	6.73%	20.89%	0.28%	Criteria Met

2012 HPO's in the Building and Construction (BC) Industry Cluster

(Highlighted occupations are new additions in 2012)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Job Openings		All Industries				
				Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	Source ²
13-1051	Cost Estimators	BD	\$62,164	193	386	-14.71%	1.45%	4.47%	6.22%	CWIA Added
41-4012	Sales Representatives	MT OJT	\$62,481	202	2,357	-9.58%	2.92%	6.20%	19.73%	Criteria Met
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	\$69,251	393	675	-9.92%	6.73%	7.70%	8.15%	Criteria Met
47-2021	Brickmasons & Blockmasons	LT OJT	\$50,372	152	207	-24.59%	1.50%	27.73%	7.25%	CWIA Added
47-2031	Carpenters	LT OJT	\$42,523	881	1,526	-8.61%	-1.42%	15.89%	3.93%	CWIA Added
47-2051	Cement Masons & Concrete Finishers	MT OJT	\$40,802	123	137	-16.14%	1.48%	21.20%	0.00%	CWIA Added
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	\$48,547	356	828	32.03%	6.68%	16.76%	0.24%	Criteria Met
47-2111	Electricians	LT OJT	\$57,838	580	796	-15.68%	0.52%	9.72%	18.72%	CWIA Added
47-2132	Insulation Workers, Mechanical	LT OJT	\$69,743	29	32	-19.23%	9.37%	35.01%	0.00%	2010 Petition
47-2141	Painters, Construction & Maintenance	MT OJT	\$39,716	136	319	-0.70%	8.25%	18.46%	0.31%	Criteria Met
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	\$53,057	451	625	2.33%	-4.66%	17.07%	6.24%	Criteria Met
47-2181	Roofers	MT OJT	\$37,605	80	104	-2.69%	-4.81%	23.55%	0.00%	Criteria Met
47-2211	Sheet Metal Workers	LT OJT	\$49,916	51	83	-27.94%	-2.53%	5.93%	2.41%	CWIA Added
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS	\$45,735	338	542	2.26%	7.51%	11.11%	30.26%	Criteria Met
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	\$37,326	272	2,575	-8.27%	3.30%	7.77%	N/A	Criteria Met

2012 HPO's in the Business and Financial Services (BFS) Industry Cluster

(Highlighted occupations are new additions in 2012)

				Job Openings		All Industries				
SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	Source ²
11-1021	General & Operations Managers	AD+	\$144,168	155	956	28.20%	9.20%	6.25%	271.03%	Criteria Met
11-2022	Sales Managers	BD+	\$127,045	91	380	14.23%	5.72%	4.00%	104.21%	Criteria Met
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	\$59,890	203	349	-14.09%	4.65%	6.44%	13.75%	CWIA Added
13-1081	Logisticians	BD+	\$73,618	80	213	-8.88%	3.88%	1.48%	12.21%	CWIA Added
13-1111	Management Analysts	BD+	\$99,399	305	686	0.30%	4.49%	6.04%	11.22%	Criteria Met
13-1151	Training & Development Specialists	BD	\$58,318	96	329	N/A	N/A	N/A	75.38%	Criteria Met
13-1161	Market Research Analysts & Marketing Specialists	BD	\$62,318	440	889	N/A	N/A	N/A	267.27%	Criteria Met
13-2011	Accountants & Auditors	BD	\$73,832	860	1,668	-3.21%	4.23%	5.10%	168.59%	Criteria Met
13-2072	Loan Officers	MT OJT	\$63,489	323	338	-13.13%	14.95%	15.21%	106.80%	CWIA Added
15-1121	Computer Systems Analysts	BD	\$78,223	170	627	N/A	N/A	N/A	136.52%	Criteria Met
15-1132	Software Developers, Applications	BD	\$87,698	88	334	N/A	N/A	N/A	160.18%	Criteria Met
15-1142	Network & Computer Systems Administrators	BD	\$81,180	210	575	N/A	N/A	N/A	261.74%	Criteria Met
15-1150	Computer Support Specialists	PS	\$49,999	178	783	N/A	N/A	N/A	N/A	Criteria Met
17-2112	Industrial Engineers	BD	\$80,945	79	359	13.26%	2.20%	1.19%	53.20%	Criteria Met
23-2011	Paralegals & Legal Assistants	AD	\$51,365	208	266	-8.04%	4.93%	3.21%	125.19%	Criteria Met
29-2056	Veterinary Technologists & Technicians	AD	\$32,481	123	188	5.14%	8.49%	0.87%	36.17%	Criteria Met
37-2021	Pest Control Workers	MT OJT	\$33,511	103	126	21.15%	3.22%	42.15%	0.00%	Criteria Met
41-3021	Insurance Sales Agents	MT OJT	\$77,041	432	611	-10.57%	14.05%	7.69%	5.24%	CWIA Added
41-3031	Securities, Commodities & Financial Services Sales Agents	BD	\$86,654	315	349	13.65%	-2.13%	1.38%	15.19%	CWIA Added
41-9022	Real Estate Sales Agents	LT OJT	\$53,218	208	466	9.02%	9.66%	1.52%	15.02%	Criteria Met
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	\$55,496	534	1,762	10.58%	4.80%	6.08%	114.93%	Criteria Met
43-3011	Bill & Account Collectors	MT OJT	\$34,399	201	327	-4.17%	8.63%	5.54%	11.01%	Criteria Met
43-3021	Billing & Posting Clerks	ST OJT	\$34,596	173	619	7.05%	3.63%	4.27%	20.03%	Criteria Met
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	\$37,967	317	1,200	-10.10%	4.94%	3.11%	144.25%	CWIA Added
43-4051	Customer Service Representatives	ST OJT	\$33,820	1,423	3,240	-3.29%	2.19%	9.29%	5.40%	Criteria Met
43-4131	Loan Interviewers & Clerks	ST OJT	\$33,467	89	92	-20.71%	5.70%	0.82%	10.87%	CWIA Added
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	\$48,722	166	631	-10.43%	11.24%	4.15%	16.48%	CWIA Added
43-6012	Legal Secretaries	MT OJT	\$44,326	179	200	-19.63%	7.11%	4.15%	17.00%	CWIA Added
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	\$39,930	217	330	-8.33%	6.35%	1.67%	11.82%	Criteria Met
49-2098	Security & Fire Alarm Systems Installers	MT OJT	\$46,819	107	155	13.77%	12.10%	2.65%	14.84%	Criteria Met
49-9071	Maintenance & Repair Workers, General	MT OJT	\$34,097	318	1,443	N/A	N/A	N/A	0.76%	Criteria Met

2012 HPO's in the Education (ED) Industry Cluster

(Highlighted occupations are new additions in 2012)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	
25-1011	Business Teachers, Postsecondary	PhD	\$88,722	111	112	2.55%	8.73%	4.06%	40.18%	Criteria Met
25-1072	Nursing Instructors & Teachers, Postsecondary	MD	\$75,507	66	75	19.59%	14.42%	4.06%	36.00%	CWIA Added
25-1081	Education Teachers, Postsecondary	PhD	\$73,129	92	92	3.34%	7.94%	4.06%	65.22%	Criteria Met
25-1194	Vocational Education Teachers, Postsecondary	WK EXP	\$51,753	90	120	11.51%	2.79%	4.06%	72.50%	Criteria Met
25-2011	Preschool Teachers	AD	\$28,295	342	514	-9.90%	9.02%	5.72%	74.32%	2008 Petition
25-2032	Career/Technical Education Teachers, Secondary School	BD+	\$61,784	125	126	-1.50%	5.80%	2.98%	26.98%	Criteria Met
25-2053	Special Education Teachers, Middle School	BD	\$64,791	150	152	N/A	N/A	N/A	209.21%	Criteria Met
25-2054	Special Education Teachers, Secondary School	BD	\$61,955	200	204	N/A	N/A	N/A	248.53%	Criteria Met
27-2022	Coaches & Scouts	LT OJT	\$32,535	267	394	-2.04%	7.10%	5.91%	119.29%	Criteria Met
43-6014	Secretaries	ST OJT	\$33,426	263	1,264	0.24%	6.19%	4.15%	17.33%	Criteria Met

2012 HPO's in the Energy (ENGY) Industry Cluster

(Highlighted occupations are new additions in 2012)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	
11-1021	General & Operations Managers	AD+	\$117,080	27	956	28.20%	9.20%	6.25%	271.03%	Criteria Met
43-4051	Customer Service Representatives	ST OJT	\$37,862	45	3,240	-3.29%	2.19%	9.29%	5.40%	Criteria Met
43-9061	Office Clerks, General	ST OJT	\$32,131	46	3,629	-7.47%	4.21%	9.91%	7.50%	Criteria Met
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	\$69,092	65	675	-9.92%	6.73%	7.70%	8.15%	Criteria Met
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	\$48,355	105	828	32.03%	6.68%	16.76%	0.24%	Criteria Met
47-5012	Rotary Drill Operators, Oil & Gas	MT OJT	\$45,658	128	134	2.80%	5.18%	8.01%	N/A	Criteria Met
47-5013	Service Unit Operators, Oil, Gas & Mining	MT OJT	\$47,861	124	131	20.93%	53.46%	8.01%	N/A	Criteria Met
47-5071	Roustabouts, Oil & Gas	MT OJT	\$35,831	135	137	-19.31%	24.76%	33.33%	N/A	CWIA Added
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	\$69,840	33	448	-4.49%	2.68%	4.11%	1.12%	Criteria Met
49-2095	Elec. Repairers, Powerhouse & Substation	PS	\$64,667	47	55	23.21%	8.08%	0.00%	3.64%	2010 Petition
49-9041	Industrial Machinery Mechanics	LT OJT	\$48,752	40	738	5.54%	2.24%	4.46%	2.17%	Criteria Met
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	\$59,652	204	264	0.86%	0.44%	4.44%	10.98%	Criteria Met
49-9071	Maintenance & Repair Workers, General	MT OJT	\$40,500	47	1,443	N/A	N/A	N/A	0.76%	Criteria Met
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	\$39,391	44	528	-21.88%	4.54%	15.84%	21.78%	CWIA Added
51-8013	Power Plant Operators	LT OJT	\$61,241	88	100	7.86%	4.73%	11.74%	0.00%	Criteria Met
51-8031	Water & Liquid Waste Treatment Plant & System Operators	LT OJT	\$41,074	2	168	-17.99%	3.72%	2.67%	0.00%	2009 Petition
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	\$36,848	123	2,575	-8.27%	3.30%	7.77%	N/A	Criteria Met
53-7073	Wellhead Pumpers	MT OJT	\$36,090	105	114	157.14%	0.77%	0.00%	N/A	CWIA Added

2012 HPO's in the Health Care (HC) Industry Cluster

(Highlighted occupations are new additions in 2012)

				Job Openings		All Industries				
SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	Source ²
21-1011	Substance Abuse & Behavioral Disorder Counselors	MT OJT	\$37,972	153	247	21.54%	-4.04%	9.88%	106.07%	Criteria Met
21-1014	Mental Health Counselors	MD	\$38,047	447	631	12.40%	4.29%	9.88%	95.56%	Criteria Met
21-1015	Rehabilitation Counselors	MD	\$35,474	81	206	-10.80%	11.95%	9.88%	100.49%	CWIA Added
21-1022	Healthcare Social Workers	MD	\$48,815	198	344	-18.59%	9.98%	2.11%	68.90%	CWIA Added
21-1023	Mental Health & Substance Abuse Social Workers	BD	\$41,183	203	345	10.03%	7.22%	2.11%	78.26%	Criteria Met
29-1031	Dietitians & Nutritionists	BD	\$49,383	100	166	12.18%	-0.85%	4.06%	215.66%	CWIA Added
29-1051	Pharmacists	PROF	\$102,776	120	399	0.00%	7.17%	0.58%	229.07%	Criteria Met
29-1111	Registered Nurses	AD	\$67,499	4,247	4,784	0.78%	5.57%	0.64%	180.96%	Criteria Met
29-1122	Occupational Therapists	MD	\$70,267	200	236	0.00%	5.02%	0.00%	197.03%	Criteria Met
29-1126	Respiratory Therapists	AD	\$57,306	180	196	7.26%	5.75%	2.49%	75.00%	Criteria Met
29-2011	Medical & Clinical Laboratory Technologists	BD	\$55,192	140	181	-10.52%	2.26%	5.09%	29.83%	CWIA Added
29-2012	Medical & Clinical Laboratory Technicians	AD	\$43,059	161	226	-11.10%	5.91%	5.09%	55.75%	CWIA Added
29-2021	Dental Hygienists	AD	\$59,041	304	311	14.60%	0.94%	0.00%	92.93%	Criteria Met
29-2031	Cardiovascular Technologists & Technicians	AD	\$52,775	101	104	-1.98%	1.69%	4.76%	28.85%	CWIA Added
29-2032	Diagnostic Medical Sonographers	AD	\$61,937	88	101	1.35%	0.26%	4.76%	168.32%	CWIA Added
29-2037	Radiologic Technologists and Technicians	AD	\$53,313	277	326	N/A	N/A	N/A	N/A	Criteria Met
29-2041	Emergency Medical Technicians & Paramedics	PS	\$30,499	556	637	-4.01%	5.99%	5.58%	10.68%	Criteria Met
29-2052	Pharmacy Technicians	MT OJT	\$35,133	89	418	-4.40%	5.78%	0.87%	14.35%	Criteria Met
29-2055	Surgical Technologists	PS	\$41,185	95	95	-10.11%	7.51%	0.87%	164.21%	CWIA Added
29-2061	Licensed Practical & Licensed Vocational Nurses	PS	\$42,659	1,212	1,450	-1.49%	3.92%	3.81%	19.17%	Criteria Met
29-2071	Medical Records & Health Information Technicians	PS	\$33,559	183	229	-2.16%	6.38%	7.19%	47.60%	Criteria Met
31-2011	Occupational Therapist Assistants	AD	\$46,683	73	78	0.51%	0.90%	0.00%	110.26%	CWIA Added
31-2021	Physical Therapist Assistants	AD	\$44,036	163	166	5.51%	4.66%	0.00%	112.05%	Criteria Met
31-9091	Dental Assistants	PS	\$32,584	343	351	-3.63%	2.29%	3.95%	27.92%	Criteria Met
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	\$51,066	291	1,762	10.58%	4.80%	6.08%	114.93%	Criteria Met
43-3021	Billing & Posting Clerks	ST OJT	\$32,688	224	619	7.05%	3.63%	4.27%	20.03%	Criteria Met
43-4051	Customer Service Representatives	ST OJT	\$34,843	272	3,240	-3.29%	2.19%	9.29%	5.40%	Criteria Met
43-4111	Interviewers	ST OJT	\$31,513	111	184	-1.99%	4.12%	25.74%	5.98%	Criteria Met
43-6014	Secretaries	ST OJT	\$32,173	176	1,264	0.24%	6.19%	4.15%	17.33%	Criteria Met
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	\$40,765	105	330	-8.33%	6.35%	1.67%	11.82%	Criteria Met

2012 HPO's in the Information and Communication Services (ICS) Industry Cluster

(Highlighted occupations are new additions in 2012)

SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Job Openings		All Industries				Source ²
				Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	
13-2011	Accountants & Auditors	BD	\$77,082	63	1,668	-3.21%	4.23%	5.10%	168.59%	Criteria Met
15-1121	Computer Systems Analysts	BD	\$79,661	240	627	N/A	N/A	N/A	136.52%	Criteria Met
15-1131	Computer Programmers	BD	\$71,733	161	331	N/A	N/A	N/A	203.02%	Criteria Met
15-1132	Software Developers, Applications	BD	\$87,171	135	334	N/A	N/A	N/A	160.18%	Criteria Met
15-1133	Software Developers, Systems Software	BD	\$96,739	342	505	N/A	N/A	N/A	176.24%	Criteria Met
15-1142	Network & Computer Systems Administrators	BD	\$79,877	124	575	N/A	N/A	N/A	261.74%	Criteria Met
15-1150	Computer Support Specialists	PS	\$49,999	178	783	N/A	N/A	N/A	N/A	Criteria Met
17-2051	Civil Engineers	BD	\$80,145	241	423	5.60%	3.47%	0.96%	186.76%	Criteria Met
17-2141	Mechanical Engineers	BD	\$86,367	88	452	16.15%	2.19%	5.83%	191.37%	Criteria Met
17-3011	Architectural & Civil Drafters	AD	\$46,481	67	99	-11.86%	7.65%	10.20%	287.88%	2008 Petition
41-4011	Sales Representatives, Technical & Scientific Products	BD	\$96,463	91	506	-7.70%	14.96%	6.20%	6.32%	Criteria Met
43-4051	Customer Service Representatives	ST OJT	\$41,670	216	3,240	-3.29%	2.19%	9.29%	5.40%	Criteria Met
43-9061	Office Clerks, General	ST OJT	\$31,450	123	3,629	-7.47%	4.21%	9.91%	7.50%	Criteria Met
47-4011	Construction & Building Inspectors	WK EXP	\$48,809	99	237	1.93%	3.98%	6.92%	13.50%	Criteria Met
49-2022	Telecommunications Equipment Installers & Repairers	PS	\$54,385	98	136	0.00%	7.47%	7.16%	6.62%	Criteria Met
49-9052	Telecommunications Line Installers & Repairers	LT OJT	\$58,872	144	209	-17.73%	8.61%	8.46%	0.00%	CWIA Added

2012 HPO's in the Logistics and Transportation (LT) Industry Cluster

(Highlighted occupations are new additions in 2012)

				Job Openings		All Industries				
SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	Source ²
43-4051	Customer Service Representatives	ST OJT	\$33,637	76	3,240	-3.29%	2.19%	9.29%	5.40%	Criteria Met
43-5011	Cargo & Freight Agents	ST OJT	\$42,543	95	138	10.23%	7.24%	0.00%	3.62%	Criteria Met
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	\$34,087	103	697	-5.92%	2.15%	8.41%	7.03%	Criteria Met
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	\$40,877	81	353	-7.84%	6.14%	2.03%	10.20%	Criteria Met
49-9071	Maintenance & Repair Workers, General	MT OJT	\$38,487	44	1,443	N/A	N/A	N/A	0.76%	Criteria Met
53-1021	Supervisors - Helpers, Laborers & Material Movers	WK EXP	\$53,047	106	253	-1.80%	6.10%	5.38%	7.91%	Criteria Met
53-1031	Supervisors - Transportation & Vehicle Operations	WK EXP	\$61,320	71	224	-17.16%	0.10%	5.38%	15.18%	CWIA Added
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	\$44,007	1,294	2,575	-8.27%	3.30%	7.77%	N/A	Criteria Met
53-3033	Light Truck or Delivery Services Drivers	ST OJT	\$44,346	208	941	-8.42%	2.96%	7.77%	N/A	Criteria Met
53-7051	Industrial Truck & Tractor Operators	ST OJT	\$33,412	298	864	-19.01%	3.87%	6.61%	N/A	CWIA Added

2012 HPO's in the Lumber Wood and Paper (LWP) Industry Cluster

(Highlighted occupations are new additions in 2012)

				Job Openings		All Industries				
SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	Source ²
41-4012	Sales Representatives	MT OJT	\$63,730	83	2,357	-9.58%	2.92%	6.20%	19.73%	Criteria Met
43-4051	Customer Service Representatives	ST OJT	\$36,726	27	3,240	-3.29%	2.19%	9.29%	5.40%	Criteria Met
49-9041	Industrial Machinery Mechanics	LT OJT	\$47,687	41	738	5.54%	2.24%	4.46%	2.17%	Criteria Met
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	\$35,809	54	2,575	-8.27%	3.30%	7.77%	N/A	Criteria Met

2012 HPO's Outside of PA's Defined Industry Clusters

(Highlighted occupations are new additions in 2012)

				Job Openings		All Industries				
SOC Code	Occupation	Educational Attainment ¹	Industry Cluster Wage, 2011	Industry Cluster	All Industries	Percent Employment Change, 2008-2010	Percent Change in Wages, 2009-2011	Unempl. Rate, 2009-2011	Completers as Percent of Total Openings	Source ²
13-1022	Wholesale & Retail Buyers	LT OJT	\$54,485	91	194	-7.79%	-6.09%	3.39%	22.16%	CWIA Added
21-1021	Child, Family & School Social Workers	BD	\$34,039	221	518	-0.16%	9.98%	2.11%	112.93%	Criteria Met
41-1011	Supervisors - Retail Sales Workers	WK EXP	\$44,294	817	1,132	0.44%	5.16%	4.94%	5.30%	Criteria Met
41-2022	Parts Salespersons	MT OJT	\$32,555	380	411	-9.60%	6.16%	8.81%	0.00%	Criteria Met
49-3021	Automotive Body & Related Repairers	MT OJT	\$40,230	179	211	-13.35%	2.74%	2.85%	12.32%	CWIA Added
49-3023	Automotive Service Technicians & Mechanics	LT OJT	\$35,499	1,025	1,258	-3.96%	0.47%	7.31%	15.10%	Criteria Met
51-3021	Butchers & Meat Cutters	LT OJT	\$31,531	176	234	17.81%	-2.11%	8.95%	0.00%	Criteria Met

Footnotes:

¹ Educational Attainment Abbreviations:

Short-term or Moderate-term training (**ST OJT** or **MT OJT**) – basic tasks and skills are learned through a period of on-the-job training. A high school diploma may be required.

Long-term training (**LT OJT**) – a high school diploma and at least one year of on-the-job training or an apprenticeship.

Related work experience (**WK EXP**) – a high school diploma and training gained through hands-on work in a similar occupation.

Postsecondary training (**PS** or **PS+**) – training is gained through a postsecondary training program. Some period of related work experience may be required.

Associate Degree (**AD** or **AD+**) – degree completed after two years of full-time schooling beyond high school. Some period of related work experience may be required.

Bachelor's Degree (**BD** or **BD+**) – degree completed after four years of full-time schooling beyond high school. Some period of related work experience may be required.

Master's Degree (**MD** or **MD+**) – degree completed after two years of full-time schooling beyond a bachelor's degree. Some period of related work experience may be required.

Doctoral (**PhD**) or First Professional Degree (**PROF**) – degree programs requiring 3-6 years of education 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 & Analysis.

2008, 2009, 2010 or 2011 Petition - Occupation was added to the list via the formal petitioning process in the given year.

Table 5 SOC 2010 Career Cluster_Pathway

SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
33.9031	Gaming Surveillance Officers and Gaming Investig	12	Law, Public Safety, C	12.3	Security & Protective Services	8	16.20%	4	7	2
39.1011	Gaming Supervisors	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		15.10%	4	5	2
39.1012	Slot Supervisors	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		13.50%	4	5	2
41.2012	Gaming Change Persons and Booth Cashiers	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		11.90%	4	5	2
39.3012	Gaming and Sports Book Writers and Runners	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		8.50%	4	5	2
39.3092	Costume Attendants	3	Arts, Audio/Video Te	3.4	Performing Arts		8.30%	4	16	4
39.3099	Entertainment Attendants and Related Workers, .	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		6.30%	4	5	2
39.3093	Locker Room, Coatroom, and Dressing Room Atte	10	Human Services	10.4	Personal Care Services		5.40%	4	14	4
43.3041	Gaming Cage Workers	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		4.70%	4	5	2
39.5094	Skincare Specialists	10	Human Services	10.4	Personal Care Services		3.20%	4	14	4
39.5092	Manicurists and Pedicurists	10	Human Services	10.4	Personal Care Services		2.80%	4	14	4
29.2052	Pharmacy Technicians	8	Health Science	8.1	Therapeutic Services		2.70%	4	15	4
39.9099	Personal Care and Service Workers, All Other	10	Human Services	10.4	Personal Care Services		2.20%	4	14	4
35.2013	Cooks, Private Household	9	Hospitality & Tourisn	9.1	Services		2.20%	4	5	2
31.1011	Home Health Aides	8	Health Science	8.1	Therapeutic Services		2.10%	4	15	4
31.9092	Medical Assistants	8	Health Science	8.1	Therapeutic Services		2.10%	4	15	4
39.9021	Personal Care Aides	10	Human Services	10.4	Personal Care Services		2.10%	4	14	4
47.5051	Rock Splitters, Quarry	2	Architecture & Const	2.2	Construction		2.10%	4	10	3
29.2056	Veterinary Technologists and Technicians	8	Health Science	8.2	Diagnostic Services	2,5	2.00%	4	15	4
31.2021	Physical Therapist Assistants	8	Health Science	8.1	Therapeutic Services	8	1.80%	4	15	4
53.4031	Railroad Conductors and Yardmasters	16	Transportation, Distr	16.1	Transportation Operations	1.80%	4	13	4	
29.1051	Pharmacists	8	Health Science	8.1	Therapeutic Services	8	1.70%	4	15	4
29.1071	Physician Assistants	8	Health Science	8.1	Therapeutic Services	1.70%	4	15	4	
29.1124	Radiation Therapists	8	Health Science	8.1	Therapeutic Services	1.70%	4	15	4	
29.1131	Veterinarians	8	Health Science	8.1	Therapeutic Services	1.70%	4	15	4	
29.2031	Cardiovascular Technologists and Technicians	8	Health Science	8.2	Diagnostic Services	8	1.70%	4	15	4
21.1011	Substance Abuse and Behavioral Disorder Counse	10	Human Services	10.2	Counseling & Mental Health Services	8	1.70%	4	14	4
21.1093	Social and Human Service Assistants	10	Human Services	10.3	Family & Community Services	1.70%	4	14	4	
19.4092	Forensic Science Technicians	12	Law, Public Safety, C	12.4	Law Enforcement Services	1.70%	4	7	2	
29.1123	Physical Therapists	8	Health Science	8.1	Therapeutic Services	1.60%	4	15	4	
29.1126	Respiratory Therapists	8	Health Science	8.1	Therapeutic Services	8	1.60%	4	15	4
29.2055	Surgical Technologists	8	Health Science	8.1	Therapeutic Services	8	1.60%	4	15	4
31.2011	Occupational Therapy Assistants	8	Health Science	8.1	Therapeutic Services	8	1.60%	4	15	4
53.1011	Aircraft Cargo Handling Supervisors	16	Transportation, Distr	16.1	Transportation Operations	1.60%	4	13	4	
25.1031	Architecture Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training	1.60%	4	12	3	
25.1052	Chemistry Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training	1.60%	4	12	3	
25.1053	Environmental Science Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training	1.60%	4	12	3	
25.1061	Anthropology and Archeology Teachers, Postsecc	5	Education & Training	5.3	Teaching/Training	1.60%	4	12	3	
25.1063	Economics Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training	1.60%	4	12	3	
25.1064	Geography Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training	1.60%	4	12	3	
25.1111	Criminal Justice and Law Enforcement Teachers, I	5	Education & Training	5.3	Teaching/Training	1.60%	4	12	3	
25.1113	Social Work Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training	1.60%	4	12	3	
25.1191	Graduate Teaching Assistants	5	Education & Training	5.3	Teaching/Training	1.60%	4	12	3	

Table 5 SOC 2010 Career Cluster_Pathway

SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
17.2031	Biomedical Engineers	8	Health Science	8.5	Development		1.50%	4	15	4
29.2021	Dental Hygienists	8	Health Science	8.1	Therapeutic Services	8	1.50%	4	15	4
31.9091	Dental Assistants	8	Health Science	8.1	Therapeutic Services	8	1.50%	4	15	4
21.1023	Mental Health and Substance Abuse Social Work	10	Human Services	10.2	Counseling & Mental Health Services	8	1.50%	4	14	4
31.9011	Massage Therapists	10	Human Services	10.4	Personal Care Services		1.50%	4	14	4
49.3093	Tire Repairers and Changers	16	Transportation, Distr	16.4	Maintenance		1.50%	4	13	4
53.4011	Locomotive Engineers	16	Transportation, Distr	16.1	Transportation Operations		1.50%	4	13	4
25.1011	Business Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training	6	1.50%	4	12	3
25.1022	Mathematical Science Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1032	Engineering Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1042	Biological Science Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1043	Forestry and Conservation Science Teachers, Post	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1051	Atmospheric, Earth, Marine, and Space Sciences T	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1054	Physics Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1062	Area, Ethnic, and Cultural Studies Teachers, Posts	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1065	Political Science Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1066	Psychology Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1067	Sociology Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1071	Health Specialties Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1081	Education Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training	6	1.50%	4	12	3
25.1112	Law Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1121	Art, Drama, and Music Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1122	Communications Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1123	English Language and Literature Teachers, Postse	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1124	Foreign Language and Literature Teachers, Postse	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1125	History Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1192	Home Economics Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1193	Recreation and Fitness Studies Teachers, Postsec	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
25.1199	Postsecondary Teachers, All Other	5	Education & Training	5.3	Teaching/Training		1.50%	4	12	3
39.2011	Animal Trainers	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		1.50%	4	5	2
33.3021	Detectives and Criminal Investigators	12	Law, Public Safety, C	12.4	Law Enforcement Services		1.50%	4	7	2
29.1122	Occupational Therapists	8	Health Science	8.1	Therapeutic Services	8	1.40%	4	15	4
31.2022	Physical Therapist Aides	8	Health Science	8.1	Therapeutic Services		1.40%	4	15	4
21.1014	Mental Health Counselors	10	Human Services	10.2	Counseling & Mental Health Services	8	1.40%	4	14	4
21.1091	Health Educators	10	Human Services	10.3	Family & Community Services		1.40%	4	14	4
25.1021	Computer Science Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.40%	4	12	3
25.1041	Agricultural Sciences Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.40%	4	12	3
25.1072	Nursing Instructors and Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training	6	1.40%	4	12	3
33.3012	Correctional Officers and Jailers	12	Law, Public Safety, C	12.1	Correction Services		1.40%	4	7	2
49.9062	Medical Equipment Repairers	13	Manufacturing	13.3	Maintenance, Installation & Repair		1.40%	4	8	2
27.1014	Multimedia Artists and Animators	3	Arts, Audio/Video Te	3.3	Visual Arts		1.30%	4	16	4
27.4032	Film and Video Editors	3	Arts, Audio/Video Te	3.5	Journalism and Broadcasting		1.30%	4	16	4
19.1041	Epidemiologists	8	Health Science	8.2	Diagnostic Services		1.30%	4	15	4

Table 5 SOC 2010 Career Cluster_Pathway

SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
19.1042	Medical Scientists, Except Epidemiologists	8	Health Science	8.5	Development	5	1.30%	4	15	4
29.9091	Athletic Trainers	8	Health Science	8.1	Therapeutic Services		1.30%	4	15	4
39.5012	Hairdressers, Hairstylists, and Cosmetologists	10	Human Services	10.4	Personal Care Services		1.30%	4	14	4
39.5093	Shampooers	10	Human Services	10.4	Personal Care Services		1.30%	4	14	4
45.2092	Farmworkers and Laborers, Crop, Nursery, and G	1	Agriculture, Food & I	1.2	Plant Systems		1.30%	4	9	3
25.1082	Library Science Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.30%	4	12	3
19.3092	Geographers	15	Science, Technology,	15.2	Science and Mathematics		1.30%	4	11	3
13.2051	Financial Analysts	6	Finance	6.2	Business Finance		1.30%	4	2	1
27.4011	Audio and Video Equipment Technicians	3	Arts, Audio/Video Te	3.5	Journalism and Broadcasting		1.20%	4	16	4
31.2012	Occupational Therapy Aides	8	Health Science	8.1	Therapeutic Services		1.20%	4	15	4
39.9011	Childcare Workers	10	Human Services	10.1	Services	1,3,5	1.20%	4	14	4
13.1081	Logisticians	16	Transportation, Distr	16.2	Services		1.20%	4	13	4
53.2021	Air Traffic Controllers	16	Transportation, Distr	16.5	Planning, Management and Regulation		1.20%	4	13	4
45.2093	Farmworkers, Farm, Ranch, and Aquacultural Ani	1	Agriculture, Food & I	1.3	Animal Systems		1.20%	4	9	3
25.1069	Social Sciences Teachers, Postsecondary, All Othe	5	Education & Training	5.3	Teaching/Training		1.20%	4	12	3
27.3091	Interpreters and Translators	5	Education & Training	5.2	Professional Support Services		1.20%	4	12	3
17.2112	Industrial Engineers	15	Science, Technology,	15.1	Engineering and Technology		1.20%	4	11	3
13.1199	Business Operations Specialists, All Other	4	Business Manageme	4.4	Operations Management		1.20%	4	6	2
23.2011	Paralegals and Legal Assistants	12	Law, Public Safety, C	12.5	Legal Services		1.20%	4	7	2
33.1099	First-Line Supervisors of Protective Service Work	12	Law, Public Safety, C	12.3	Security & Protective Services		1.20%	4	7	2
51.2011	Aircraft Structure, Surfaces, Rigging, and Systems	13	Manufacturing	13.1	Production	5	1.20%	4	8	2
51.3092	Food Batchmakers	13	Manufacturing	13.1	Production		1.20%	4	8	2
43.3011	Bill and Account Collectors	6	Finance	6.5	Banking Services		1.20%	4	2	1
53.6051	Transportation Inspectors	7	Government & Publi	7.1	Governance		1.20%	4	1	1
41.3099	Sales Representatives, Services, All Other	14	Marketing	14.2	Professional Sales		1.20%	4	3	1
53.5021	Captains, Mates, and Pilots of Water Vessels	16	Transportation, Distr	16.1	Transportation Operations		1.10%	4	13	4
53.7073	Wellhead Pumpers	16	Transportation, Distr	16.1	Transportation Operations		1.10%	4	13	4
39.2021	Nonfarm Animal Caretakers	1	Agriculture, Food & I	1.3	Animal Systems		1.10%	4	9	3
45.1011	First-Line Supervisors of Farming, Fishing, and For	1	Agriculture, Food & I	1.1	Food Products and Processing Systems		1.10%	4	9	3
47.5071	Roustabouts, Oil and Gas	2	Architecture & Const	2.2	Construction		1.10%	4	10	3
19.1021	Biochemists and Biophysicists	15	Science, Technology,	15.2	Science and Mathematics	,5,7,8,9,10,11	1.10%	4	11	3
19.1099	Life Scientists, All Other	15	Science, Technology,	15.2	Science and Mathematics		1.10%	4	11	3
43.4051	Customer Service Representatives	4	Business Manageme	4.5	Administrative Support		1.10%	4	6	2
39.3091	Amusement and Recreation Attendants	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		1.10%	4	5	2
23.2091	Court Reporters	12	Law, Public Safety, C	12.5	Legal Services		1.10%	4	7	2
51.3091	Food and Tobacco Roasting, Baking, and Drying N	13	Manufacturing	13.1	Production		1.10%	4	8	2
41.2021	Counter and Rental Clerks	14	Marketing	14.2	Professional Sales		1.10%	4	3	1
29.1061	Anesthesiologists	8	Health Science	8.1	Therapeutic Services		1.00%	4	15	4
29.1064	Obstetricians and Gynecologists	8	Health Science	8.1	Therapeutic Services		1.00%	4	15	4
29.2032	Diagnostic Medical Sonographers	8	Health Science	8.2	Diagnostic Services		1.00%	4	15	4
29.2051	Dietetic Technicians	8	Health Science	8.1	Therapeutic Services	8	1.00%	4	15	4
19.3039	Psychologists, All Other	10	Human Services	10.2	Counseling & Mental Health Services		1.00%	4	14	4
21.1099	Community and Social Service Specialists, All Oth	10	Human Services	10.3	Family & Community Services		1.00%	4	14	4

Table 5 SOC 2010 Career Cluster_Pathway

SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
39.9031	Fitness Trainers and Aerobics Instructors	10	Human Services	10.4	Personal Care Services		1.00%	4	14	4
47.4061	Rail-Track Laying and Maintenance Equipment Op	16	Transportation, Distr	16.4	Maintenance		1.00%	4	13	4
53.5022	Motorboat Operators	16	Transportation, Distr	16.1	Transportation Operations		1.00%	4	13	4
17.2081	Environmental Engineers	1	Agriculture, Food & I	1.6	Environmental Service Systems		1.00%	4	9	3
45.2021	Animal Breeders	1	Agriculture, Food & I	1.3	Animal Systems		1.00%	4	9	3
45.2091	Agricultural Equipment Operators	1	Agriculture, Food & I	1.4	Power, Structural & Technical Systems		1.00%	4	9	3
25.1126	Philosophy and Religion Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training		1.00%	4	12	3
17.2011	Aerospace Engineers	15	Science, Technology, I	15.1	Engineering and Technology		1.00%	4	11	3
27.2023	Umpires, Referees, and Other Sports Officials	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		1.00%	4	5	2
35.3011	Bartenders	9	Hospitality & Tourisn	9.1	Services		1.00%	4	5	2
35.3021	Combined Food Preparation and Serving Workers	9	Hospitality & Tourisn	9.1	Services		1.00%	4	5	2
35.9011	Dining Room and Cafeteria Attendants and Bartei	9	Hospitality & Tourisn	9.1	Services		1.00%	4	5	2
49.2098	Security and Fire Alarm Systems Installers	13	Manufacturing	13.3	Maintenance, Installation & Repair	5	1.00%	4	8	2
49.9094	Locksmiths and Safe Repairers	13	Manufacturing	13.3	Maintenance, Installation & Repair		1.00%	4	8	2
41.9099	Sales and Related Workers, All Other	14	Marketing	14.2	Professional Sales		1.00%	4	3	1
29.1069	Physicians and Surgeons, All Other	8	Health Science	8.1	Therapeutic Services		0.90%	4	15	4
29.2071	Medical Records and Health Information Technici	8	Health Science	8.3	Health Informatics	8	0.90%	4	15	4
49.2091	Avionics Technicians	16	Transportation, Distr	16.4	Maintenance		0.90%	4	13	4
11.9121	Natural Sciences Managers	1	Agriculture, Food & I	1.5	Natural Resources Systems		0.90%	4	9	3
19.1012	Food Scientists and Technologists	1	Agriculture, Food & I	1.1	Food Products and Processing Systems		0.90%	4	9	3
19.4021	Biological Technicians	1	Agriculture, Food & I	1.2	Plant Systems	3	0.90%	4	9	3
45.4011	Forest and Conservation Workers	1	Agriculture, Food & I	1.5	Natural Resources Systems		0.90%	4	9	3
11.9021	Construction Managers	2	Architecture & Const	2.2	Construction		0.90%	4	10	3
25.1194	Vocational Education Teachers, Postsecondary	5	Education & Training	5.3	Teaching/Training	6	0.90%	4	12	3
25.4012	Curators	5	Education & Training	5.2	Professional Support Services		0.90%	4	12	3
35.2014	Cooks, Restaurant	9	Hospitality & Tourisn	9.1	Services		0.90%	4	5	2
35.2021	Food Preparation Workers	9	Hospitality & Tourisn	9.1	Services		0.90%	4	5	2
35.3041	Food Servers, Nonrestaurant	9	Hospitality & Tourisn	9.1	Services		0.90%	4	5	2
43.4081	Hotel, Motel, and Resort Desk Clerks	9	Hospitality & Tourisn	9.2	Lodging		0.90%	4	5	2
33.9092	Lifeguards, Ski Patrol, and Other Recreational Pro	12	Law, Public Safety, C	12.3	Security & Protective Services		0.90%	4	7	2
47.4011	Construction and Building Inspectors	7	Government & Publi	7.6	Regulation	9	0.90%	4	1	1
27.3031	Public Relations Specialists	14	Marketing	14.4	Marketing Communications		0.90%	4	3	1
27.1019	Artists and Related Workers, All Other	3	Arts, Audio/Video Te	3.3	Visual Arts		0.80%	4	16	4
27.1023	Floral Designers	3	Arts, Audio/Video Te	3.3	Visual Arts		0.80%	4	16	4
11.9111	Medical and Health Services Managers	8	Health Science	8.4	Support Services		0.80%	4	15	4
29.1199	Health Diagnosing and Treating Practitioners, All	8	Health Science	8.1	Therapeutic Services		0.80%	4	15	4
29.2012	Medical and Clinical Laboratory Technicians	8	Health Science	8.2	Diagnostic Services	8	0.80%	4	15	4
29.2033	Nuclear Medicine Technologists	8	Health Science	8.2	Diagnostic Services		0.80%	4	15	4
29.2034	Radiologic Technologists	8	Health Science	8.2	Diagnostic Services	8	0.80%	4	15	4
11.9061	Funeral Service Managers	10	Human Services	10.4	Personal Care Services		0.80%	4	14	4
39.4021	Funeral Attendants	10	Human Services	10.4	Personal Care Services		0.80%	4	14	4
51.6011	Laundry and Dry-Cleaning Workers	10	Human Services	10.4	Personal Care Services		0.80%	4	14	4
49.3011	Aircraft Mechanics and Service Technicians	16	Transportation, Distr	16.4	Maintenance		0.80%	4	13	4

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49.3042	Mobile Heavy Equipment Mechanics, Except Engi	16	Transportation, Distr	16.4	Maintenance	6	0.80%	4	13	4	
45.2099	Agricultural Workers, All Other	1	Agriculture, Food & I	1.2	Plant Systems		0.80%	4	9	3	
17.1022	Surveyors	2	Architecture & Const	2.1	Design/Pre-Construction		0.80%	4	10	3	
37.3011	Landscaping and Groundskeeping Workers	2	Architecture & Const	2.3	Maintenance/Operations		0.80%	4	10	3	
11.9033	Education Administrators, Postsecondary	5	Education & Training	5.1	Support		0.80%	4	12	3	
25.2011	Preschool Teachers, Except Special Education	5	Education & Training	5.3	Teaching/Training		0.80%	4	12	3	
25.4013	Museum Technicians and Conservators	5	Education & Training	5.2	Professional Support Services		0.80%	4	12	3	
25.9031	Instructional Coordinators	5	Education & Training	5.2	Professional Support Services		0.80%	4	12	3	
39.3031	Ushers, Lobby Attendants, and Ticket Takers	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		0.80%	4	5	2	
49.9041	Industrial Machinery Mechanics	13	Manufacturing	13.3	Maintenance, Installation & Repair		1,2,7,11	0.80%	4	8	2
13.1032	Insurance Appraisers, Auto Damage	6	Finance	6.4	Insurance	0.80%		4	2	1	
13.2052	Personal Financial Advisors	6	Finance	6.1	Securities & Investments	0.80%		4	2	1	
13.1011	Agents and Business Managers of Artists, Perform	3	Arts, Audio/Video Te	3.4	Performing Arts	0.70%		3	16	4	
27.2011	Actors	3	Arts, Audio/Video Te	3.4	Performing Arts	0.70%		3	16	4	
27.4099	Media and Communication Equipment Workers, i	3	Arts, Audio/Video Te	3.5	Journalism and Broadcasting	0.70%		3	16	4	
29.1011	Chiropractors	8	Health Science	8.1	Therapeutic Services	0.70%		3	15	4	
29.2011	Medical and Clinical Laboratory Technologists	8	Health Science	8.2	Diagnostic Services	8		0.70%	3	15	4
29.2099	Health Technologists and Technicians, All Other	8	Health Science	8.2	Diagnostic Services			0.70%	3	15	4
31.9093	Medical Equipment Preparers	8	Health Science	8.4	Support Services			0.70%	3	15	4
31.9099	Healthcare Support Workers, All Other	8	Health Science	8.4	Support Services		0.70%	3	15	4	
43.6013	Medical Secretaries	8	Health Science	8.3	Health Informatics		0.70%	3	15	4	
21.1022	Healthcare Social Workers	10	Human Services	10.3	Family & Community Services		8	0.70%	3	14	4
39.4011	Embalmers	10	Human Services	10.4	Personal Care Services			0.70%	3	14	4
53.2011	Airline Pilots, Copilots, and Flight Engineers	16	Transportation, Distr	16.1	Transportation Operations			0.70%	3	13	4
53.2022	Airfield Operations Specialists	16	Transportation, Distr	16.5	Planning, Management and Regulation			0.70%	3	13	4
13.1051	Cost Estimators	2	Architecture & Const	2.1	Design/Pre-Construction			0.70%	3	10	3
17.2051	Civil Engineers	2	Architecture & Const	2.1	Design/Pre-Construction	0.70%		3	10	3	
47.2011	Boilermakers	2	Architecture & Const	2.3	Maintenance/Operations	0.70%		3	10	3	
47.5013	Service Unit Operators, Oil, Gas, and Mining	2	Architecture & Const	2.2	Construction	7		0.70%	3	10	3
11.9031	Education Administrators, Preschool and Childcar	5	Education & Training	5.1	Support			0.70%	3	12	3
17.1021	Cartographers and Photogrammetrists	15	Science, Technology, 15.2	Science and Mathematics	0.70%			3	11	3	
19.2041	Environmental Scientists and Specialists, Includin	15	Science, Technology, 15.2	Science and Mathematics	0.70%		3	11	3		
19.2042	Geoscientists, Except Hydrologists and Geographi	15	Science, Technology, 15.2	Science and Mathematics	0.70%		3	11	3		
27.2021	Athletes and Sports Competitors	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		0.70%	3	5	2	
35.3031	Waiters and Waitresses	9	Hospitality & Tourisn	9.1	Services		0.70%	3	5	2	
35.9031	Hosts and Hostesses, Restaurant, Lounge, and Co	9	Hospitality & Tourisn	9.1	Services		0.70%	3	5	2	
33.9021	Private Detectives and Investigators	12	Law, Public Safety, C	12.4	Law Enforcement Services		0.70%	3	7	2	
33.9032	Security Guards	12	Law, Public Safety, C	12.3	Security & Protective Services		0.70%	3	7	2	
33.9099	Protective Service Workers, All Other	12	Law, Public Safety, C	12.3	Security & Protective Services	0.70%	3	7	2		
51.3022	Meat, Poultry, and Fish Cutters and Trimmers	13	Manufacturing	13.1	Production	0.70%	3	8	2		
43.4061	Eligibility Interviewers, Government Programs	7	Government & Publi	7.7	Administration	0.70%	3	1	1		
27.1027	Set and Exhibit Designers	3	Arts, Audio/Video Te	3.3	Visual Arts	0.60%	3	16	4		
29.2061	Licensed Practical and Licensed Vocational Nurse:	8	Health Science	8.1	Therapeutic Services	8	0.60%	3	15	4	

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29.9099	Healthcare Practitioners and Technical Workers, i	8	Health Science	8.1	Therapeutic Services	2,4,7,10,11	0.60%	3	15	4
11.9151	Social and Community Service Managers	10	Human Services	10.3	Family & Community Services		0.60%	3	14	4
19.3031	Clinical, Counseling, and School Psychologists	10	Human Services	10.2	Counseling & Mental Health Services		0.60%	3	14	4
21.1015	Rehabilitation Counselors	10	Human Services	10.2	Counseling & Mental Health Services		0.60%	3	14	4
21.1019	Counselors, All Other	10	Human Services	10.2	Counseling & Mental Health Services		0.60%	3	14	4
39.9041	Residential Advisors	10	Human Services	10.4	Personal Care Services		0.60%	3	14	4
53.2012	Commercial Pilots	16	Transportation, Distr	16.1	Transportation Operations		0.60%	3	13	4
53.3032	Heavy and Tractor-Trailer Truck Drivers	16	Transportation, Distr	16.1	Transportation Operations		0.60%	3	13	4
53.3041	Taxi Drivers and Chauffeurs	16	Transportation, Distr	16.1	Transportation Operations		0.60%	3	13	4
53.5031	Ship Engineers	16	Transportation, Distr	16.1	Transportation Operations		0.60%	3	13	4
17.3025	Environmental Engineering Technicians	1	Agriculture, Food & I	1.6	Environmental Service Systems	8	0.60%	3	9	3
19.4091	Environmental Science and Protection Technician	1	Agriculture, Food & I	1.6	Environmental Service Systems		0.60%	3	9	3
45.4022	Logging Equipment Operators	1	Agriculture, Food & I	1.5	Natural Resources Systems		0.60%	3	9	3
37.1012	First-Line Supervisors of Landscaping, Lawn Servi	2	Architecture & Const	2.3	Maintenance/Operations		0.60%	3	10	3
25.4011	Archivists	5	Education & Training	5.2	Professional Support Services		0.60%	3	12	3
17.2171	Petroleum Engineers	15	Science, Technology,	15.1	Engineering and Technology		0.60%	3	11	3
19.1022	Microbiologists	15	Science, Technology,	15.2	Science and Mathematics		0.60%	3	11	3
19.2043	Hydrologists	15	Science, Technology,	15.2	Science and Mathematics		0.60%	3	11	3
19.3041	Sociologists	15	Science, Technology,	15.2	Science and Mathematics		0.60%	3	11	3
19.4099	Life, Physical, and Social Science Technicians, All (	15	Science, Technology,	15.2	Science and Mathematics		0.60%	3	11	3
13.1121	Meeting, Convention, and Event Planners	4	Business Manageme	4.4	Operations Management	8	0.60%	3	6	2
43.4111	Interviewers, Except Eligibility and Loan	4	Business Manageme	4.5	Administrative Support		0.60%	3	6	2
43.4171	Receptionists and Information Clerks	4	Business Manageme	4.5	Administrative Support		0.60%	3	6	2
11.9081	Lodging Managers	9	Hospitality & Tourisn	9.2	Lodging		0.60%	3	5	2
35.1012	First-Line Supervisors of Food Preparation and Se	9	Hospitality & Tourisn	9.1	Services		0.60%	3	5	2
35.3022	Counter Attendants, Cafeteria, Food Concession,	9	Hospitality & Tourisn	9.1	Services		0.60%	3	5	2
35.9021	Dishwashers	9	Hospitality & Tourisn	9.1	Services		0.60%	3	5	2
35.9099	Food Preparation and Serving Related Workers, A	9	Hospitality & Tourisn	9.1	Services		0.60%	3	5	2
37.2012	Maids and Housekeeping Cleaners	9	Hospitality & Tourisn	9.2	Lodging		0.60%	3	5	2
51.3011	Bakers	9	Hospitality & Tourisn	9.1	Services		0.60%	3	5	2
33.9011	Animal Control Workers	12	Law, Public Safety, C	12.4	Law Enforcement Services	12	0.60%	3	7	2
15.2011	Actuaries	6	Finance	6.4	Insurance		0.60%	3	2	1
41.9011	Demonstrators and Product Promoters	14	Marketing	14.2	Professional Sales		0.60%	3	3	1
27.4031	Camera Operators, Television, Video, and Motion	3	Arts, Audio/Video Te	3.5	Journalism and Broadcasting		0.50%	3	16	4
29.1066	Psychiatrists	8	Health Science	8.1	Therapeutic Services		0.50%	3	15	4
29.1129	Therapists, All Other	8	Health Science	8.1	Therapeutic Services		0.50%	3	15	4
29.2053	Psychiatric Technicians	8	Health Science	8.1	Therapeutic Services		0.50%	3	15	4
21.1013	Marriage and Family Therapists	10	Human Services	10.2	Counseling & Mental Health Services		0.50%	3	14	4
21.1021	Child, Family, and School Social Workers	10	Human Services	10.3	Family & Community Services		0.50%	3	14	4
21.1029	Social Workers, All Other	10	Human Services	10.3	Family & Community Services		0.50%	3	14	4
53.3099	Motor Vehicle Operators, All Other	16	Transportation, Distr	16.1	Transportation Operations	7	0.50%	3	13	4
19.4041	Geological and Petroleum Technicians	1	Agriculture, Food & I	1.5	Natural Resources Systems		0.50%	3	9	3
51.8031	Water and Wastewater Treatment Plant and Syst	1	Agriculture, Food & I	1.6	Environmental Service Systems		0.50%	3	9	3

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47.2044	Tile and Marble Setters	2	Architecture & Const	2.2	Construction	4	0.50%	3	10	3
47.2141	Painters, Construction and Maintenance	2	Architecture & Const	2.2	Construction		0.50%	3	10	3
47.5012	Rotary Drill Operators, Oil and Gas	2	Architecture & Const	2.2	Construction		0.50%	3	10	3
47.5042	Mine Cutting and Channeling Machine Operators	2	Architecture & Const	2.2	Construction		0.50%	3	10	3
25.9099	Education, Training, and Library Workers, All Other	5	Education & Training	5.3	Teaching/Training	7	0.50%	3	12	3
17.2061	Computer Hardware Engineers	15	Science, Technology, and Mathematics	15.1	Engineering and Technology		0.50%	3	11	3
19.3093	Historians	15	Science, Technology, and Mathematics	15.2	Science and Mathematics		0.50%	3	11	3
19.4061	Social Science Research Assistants	15	Science, Technology, and Mathematics	15.2	Science and Mathematics		0.50%	3	11	3
39.6012	Concierges	9	Hospitality & Tourism	9.2	Lodging	9	0.50%	3	5	2
21.1092	Probation Officers and Correctional Treatment Specialists	12	Law, Public Safety, and Corrections	12.1	Correction Services		0.50%	3	7	2
23.2099	Legal Support Workers, All Other	12	Law, Public Safety, and Corrections	12.5	Legal Services		0.50%	3	7	2
33.1011	First-Line Supervisors of Correctional Officers	12	Law, Public Safety, and Corrections	12.1	Correction Services		0.50%	3	7	2
33.3041	Parking Enforcement Workers	12	Law, Public Safety, and Corrections	12.4	Law Enforcement Services	5,9	0.50%	3	7	2
49.9091	Coin, Vending, and Amusement Machine Servicers	13	Manufacturing	13.3	Maintenance, Installation & Repair		0.50%	3	8	2
13.2011	Accountants and Auditors	6	Finance	6.3	Accounting		0.50%	3	2	1
11.2031	Public Relations and Fundraising Managers	14	Marketing	14.1	Marketing Management		0.50%	3	3	1
27.1026	Merchandise Displayers and Window Trimmers	14	Marketing	14.3	Merchandising	10	0.50%	3	3	1
41.3011	Advertising Sales Agents	14	Marketing	14.2	Professional Sales		0.50%	3	3	1
27.1013	Fine Artists, Including Painters, Sculptors, and Illustrators	3	Arts, Audio/Video Technology, and Communications	3.3	Visual Arts		0.40%	3	16	4
27.1029	Designers, All Other	3	Arts, Audio/Video Technology, and Communications	3.3	Visual Arts		0.40%	3	16	4
27.2012	Producers and Directors	3	Arts, Audio/Video Technology, and Communications	3.4	Performing Arts	10	0.40%	3	16	4
27.3042	Technical Writers	3	Arts, Audio/Video Technology, and Communications	3.5	Journalism and Broadcasting		0.40%	3	16	4
27.4014	Sound Engineering Technicians	3	Arts, Audio/Video Technology, and Communications	3.5	Journalism and Broadcasting		0.40%	3	16	4
29.1065	Pediatricians, General	8	Health Science	8.1	Therapeutic Services		0.40%	3	15	4
29.2091	Orthotists and Prosthetists	8	Health Science	8.1	Therapeutic Services	10	0.40%	3	15	4
31.9094	Medical Transcriptionists	8	Health Science	8.3	Health Informatics		0.40%	3	15	4
39.1021	First-Line Supervisors of Personal Service Workers	10	Human Services	10.4	Personal Care Services		0.40%	3	14	4
49.3031	Bus and Truck Mechanics and Diesel Engine Specialists	16	Transportation, Distribution, and Logistics	16.4	Maintenance		0.40%	3	13	4
53.3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	16	Transportation, Distribution, and Logistics	16.1	Transportation Operations	10	0.40%	3	13	4
53.3022	Bus Drivers, School or Special Client	16	Transportation, Distribution, and Logistics	16.1	Transportation Operations		0.40%	3	13	4
53.6031	Automotive and Watercraft Service Attendants	16	Transportation, Distribution, and Logistics	16.4	Maintenance		0.40%	3	13	4
53.7071	Gas Compressor and Gas Pumping Station Operators	16	Transportation, Distribution, and Logistics	16.1	Transportation Operations		0.40%	3	13	4
19.1013	Soil and Plant Scientists	1	Agriculture, Food, and Forestry	1.2	Plant Systems	10	0.40%	3	9	3
37.3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	1	Agriculture, Food, and Forestry	1.2	Plant Systems		0.40%	3	9	3
17.1012	Landscape Architects	2	Architecture & Construction	2.1	Design/Pre-Construction		0.40%	3	10	3
17.3031	Surveying and Mapping Technicians	2	Architecture & Construction	2.1	Design/Pre-Construction		0.40%	3	10	3
47.4051	Highway Maintenance Workers	2	Architecture & Construction	2.3	Maintenance/Operations	10	0.40%	3	10	3
53.7032	Excavating and Loading Machine and Dragline Operators	2	Architecture & Construction	2.2	Construction		0.40%	3	10	3
53.7033	Loading Machine Operators, Underground Mining	2	Architecture & Construction	2.2	Construction		0.40%	3	10	3
25.2012	Kindergarten Teachers, Except Special Education	5	Education & Training	5.3	Teaching/Training		0.40%	3	12	3
17.2041	Chemical Engineers	15	Science, Technology, and Mathematics	15.1	Engineering and Technology	10	0.40%	3	11	3
19.3091	Anthropologists and Archeologists	15	Science, Technology, and Mathematics	15.2	Science and Mathematics		0.40%	3	11	3
19.3099	Social Scientists and Related Workers, All Other	15	Science, Technology, and Mathematics	15.2	Science and Mathematics		0.40%	3	11	3

Table 5 SOC 2010 Career Cluster_Pathway

SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
11.3021	Computer and Information Systems Managers	4	Business Manageme	4.2	Business Information Management	8	0.40%	3	6	2
11.9199	Managers, All Other	4	Business Manageme	4.1	General Management		0.40%	3	6	2
43.4021	Correspondence Clerks	4	Business Manageme	4.5	Administrative Support		0.40%	3	6	2
35.1011	Chefs and Head Cooks	9	Hospitality & Tourisn	9.1	Services		0.40%	3	5	2
37.1011	First-Line Supervisors of Housekeeping and Janitc	9	Hospitality & Tourisn	9.2	Lodging		0.40%	3	5	2
37.2011	Janitors and Cleaners, Except Maids and Houseke	9	Hospitality & Tourisn	9.2	Lodging		0.40%	3	5	2
39.6011	Baggage Porters and Bellhops	9	Hospitality & Tourisn	9.2	Lodging		0.40%	3	5	2
23.1011	Lawyers	12	Law, Public Safety, C	12.5	Legal Services		0.40%	3	7	2
29.2041	Emergency Medical Technicians and Paramedics	12	Law, Public Safety, C	12.2	Services		0.40%	3	7	2
43.5031	Police, Fire, and Ambulance Dispatchers	12	Law, Public Safety, C	12.2	Services		0.40%	3	7	2
49.2094	Electrical and Electronics Repairers, Commercial	13	Manufacturing	13.3	Maintenance, Installation & Repair		0.40%	3	8	2
51.3023	Slaughterers and Meat Packers	13	Manufacturing	13.1	Production		0.40%	3	8	2
51.8092	Gas Plant Operators	13	Manufacturing	13.1	Production		0.40%	3	8	2
13.2061	Financial Examiners	7	Government & Publi	7.1	Governance		0.40%	3	1	1
13.2081	Tax Examiners and Collectors, and Revenue Agen	7	Government & Publi	7.5	Revenue and Taxation		0.40%	3	1	1
19.3051	Urban and Regional Planners	7	Government & Publi	7.4	Planning		0.40%	3	1	1
41.2031	Retail Salespersons	14	Marketing	14.2	Professional Sales		0.40%	3	3	1
27.2099	Entertainers and Performers, Sports and Related	3	Arts, Audio/Video Te	3.4	Performing Arts		0.30%	3	16	4
29.1041	Optometrists	8	Health Science	8.1	Therapeutic Services		0.30%	3	15	4
29.1062	Family and General Practitioners	8	Health Science	8.1	Therapeutic Services		0.30%	3	15	4
29.1063	Internists, General	8	Health Science	8.1	Therapeutic Services		0.30%	3	15	4
29.1067	Surgeons	8	Health Science	8.1	Therapeutic Services		0.30%	3	15	4
11.3071	Transportation, Storage, and Distribution Manage	16	Transportation, Distr	16.2	Services	10	0.30%	3	13	4
43.5011	Cargo and Freight Agents	16	Transportation, Distr	16.7	Sales and Service		0.30%	3	13	4
49.3022	Automotive Glass Installers and Repairers	16	Transportation, Distr	16.4	Maintenance		0.30%	3	13	4
49.3023	Automotive Service Technicians and Mechanics	16	Transportation, Distr	16.4	Maintenance	12	0.30%	3	13	4
53.1031	First-Line Supervisors of Transportation and Mate	16	Transportation, Distr	16.1	Transportation Operations	10	0.30%	3	13	4
53.7121	Tank Car, Truck, and Ship Loaders	16	Transportation, Distr	16.1	Transportation Operations	10	0.30%	3	13	4
19.4011	Agricultural and Food Science Technicians	1	Agriculture, Food & I	1.1	Food Products and Processing Systems		0.30%	3	9	3
37.3013	Tree Trimmers and Pruners	1	Agriculture, Food & I	1.2	Plant Systems		0.30%	3	9	3
17.1011	Architects, Except Landscape and Naval	2	Architecture & Const	2.1	Design/Pre-Construction	4,7	0.30%	3	10	3
47.2061	Construction Laborers	2	Architecture & Const	2.2	Construction		0.30%	3	10	3
47.2073	Operating Engineers and Other Construction Equi	2	Architecture & Const	2.2	Construction		0.30%	3	10	3
47.2151	Pipelayers	2	Architecture & Const	2.2	Construction	4	0.30%	3	10	3
47.2152	Plumbers, Pipefitters, and Steamfitters	2	Architecture & Const	2.2	Construction		0.30%	3	10	3
47.3015	Helpers--Pipelayers, Plumbers, Pipefitters, and St	2	Architecture & Const	2.2	Construction		0.30%	3	10	3
47.5021	Earth Drillers, Except Oil and Gas	2	Architecture & Const	2.2	Construction		0.30%	3	10	3
47.5041	Continuous Mining Machine Operators	2	Architecture & Const	2.2	Construction		0.30%	3	10	3
47.5081	Helpers--Extraction Workers	2	Architecture & Const	2.2	Construction		0.30%	3	10	3
25.3021	Self-Enrichment Education Teachers	5	Education & Training	5.3	Teaching/Training		0.30%	3	12	3
15.2041	Statisticians	15	Science, Technology,	15.2	Science and Mathematics		0.30%	3	11	3
17.2111	Health and Safety Engineers, Except Mining Safet	15	Science, Technology,	15.1	Engineering and Technology		0.30%	3	11	3
19.1029	Biological Scientists, All Other	15	Science, Technology,	15.2	Science and Mathematics		0.30%	3	11	3

Table 5 SOC 2010 Career Cluster_Pathway

SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
19.2031	Chemists	15	Science, Technology,	15.2	Science and Mathematics	5	0.30%	3	11	3
19.2099	Physical Scientists, All Other	15	Science, Technology,	15.2	Science and Mathematics		0.30%	3	11	3
43.4161	Human Resources Assistants, Except Payroll and T	4	Business Manageme	4.5	Administrative Support		0.30%	3	6	2
39.9032	Recreation Workers	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		0.30%	3	5	2
33.1021	First-Line Supervisors of Fire Fighting and Prevent	12	Law, Public Safety, C	12.2	Services		0.30%	3	7	2
33.2011	Firefighters	12	Law, Public Safety, C	12.2	Services		0.30%	3	7	2
33.2021	Fire Inspectors and Investigators	12	Law, Public Safety, C	12.2	Services		0.30%	3	7	2
33.3051	Police and Sheriff's Patrol Officers	12	Law, Public Safety, C	12.4	Law Enforcement Services		0.30%	3	7	2
43.6012	Legal Secretaries	12	Law, Public Safety, C	12.5	Legal Services		0.30%	3	7	2
19.4031	Chemical Technicians	13	Manufacturing	13.2	Development		0.30%	3	8	2
49.9069	Precision Instrument and Equipment Repairers, A	13	Manufacturing	13.3	Maintenance, Installation & Repair	10	0.30%	3	8	2
49.9099	Installation, Maintenance, and Repair Workers, A	13	Manufacturing	13.3	Maintenance, Installation & Repair		0.30%	3	8	2
51.9082	Medical Appliance Technicians	13	Manufacturing	13.3	Maintenance, Installation & Repair		0.30%	3	8	2
29.9012	Occupational Health and Safety Technicians	7	Government & Publi	7.6	Regulation		0.30%	3	1	1
29.1127	Speech-Language Pathologists	8	Health Science	8.1	Therapeutic Services	5	0.20%	3	15	4
49.3051	Motorboat Mechanics and Service Technicians	16	Transportation, Distr	16.4	Maintenance		0.20%	3	13	4
53.1021	First-Line Supervisors of Helpers, Laborers, and M	16	Transportation, Distr	16.1	Transportation Operations		0.20%	3	13	4
53.3021	Bus Drivers, Transit and Intercity	16	Transportation, Distr	16.1	Transportation Operations		0.20%	3	13	4
37.2021	Pest Control Workers	1	Agriculture, Food & I	1.6	Environmental Service Systems	4,7	0.20%	3	9	3
27.1025	Interior Designers	2	Architecture & Const	2.1	Design/Pre-Construction		0.20%	3	10	3
37.3019	Grounds Maintenance Workers, All Other	2	Architecture & Const	2.3	Maintenance/Operations		0.20%	3	10	3
47.1011	First-Line Supervisors of Construction Trades and	2	Architecture & Const	2.2	Construction		0.20%	3	10	3
47.2071	Paving, Surfacing, and Tamping Equipment Opera	2	Architecture & Const	2.2	Construction	4	0.20%	3	10	3
47.2181	Roofers	2	Architecture & Const	2.2	Construction		0.20%	3	10	3
47.3019	Helpers, Construction Trades, All Other	2	Architecture & Const	2.2	Construction		0.20%	3	10	3
47.4031	Fence Erectors	2	Architecture & Const	2.2	Construction		0.20%	3	10	3
47.5061	Roof Bolters, Mining	2	Architecture & Const	2.2	Construction	4	0.20%	3	10	3
49.9011	Mechanical Door Repairers	2	Architecture & Const	2.3	Maintenance/Operations		0.20%	3	10	3
49.9021	Heating, Air Conditioning, and Refrigeration Mecl	2	Architecture & Const	2.3	Maintenance/Operations		0.20%	3	10	3
49.9044	Millwrights	2	Architecture & Const	2.3	Maintenance/Operations		0.20%	3	10	3
11.9039	Education Administrators, All Other	5	Education & Training	5.1	Support	5	0.20%	3	12	3
25.2021	Elementary School Teachers, Except Special Educ	5	Education & Training	5.3	Teaching/Training		0.20%	3	12	3
25.3099	Teachers and Instructors, All Other	5	Education & Training	5.3	Teaching/Training		0.20%	3	12	3
25.4031	Library Technicians	5	Education & Training	5.2	Professional Support Services		0.20%	3	12	3
11.3011	Administrative Services Managers	4	Business Manageme	4.4	Operations Management	5	0.20%	3	6	2
43.3031	Bookkeeping, Accounting, and Auditing Clerks	4	Business Manageme	4.5	Administrative Support		0.20%	3	6	2
43.6011	Executive Secretaries and Executive Administrativ	4	Business Manageme	4.5	Administrative Support		0.20%	3	6	2
43.9061	Office Clerks, General	4	Business Manageme	4.5	Administrative Support		0.20%	3	6	2
11.9051	Food Service Managers	9	Hospitality & Tourisn	9.1	Services	3,7,9	0.20%	3	5	2
35.2011	Cooks, Fast Food	9	Hospitality & Tourisn	9.1	Services		0.20%	3	5	2
37.2019	Building Cleaning Workers, All Other	9	Hospitality & Tourisn	9.2	Lodging		0.20%	3	5	2
23.1023	Judges, Magistrate Judges, and Magistrates	12	Law, Public Safety, C	12.5	Legal Services		0.20%	3	7	2
33.1012	First-Line Supervisors of Police and Detectives	12	Law, Public Safety, C	12.4	Law Enforcement Services		0.20%	3	7	2

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SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
33.3011	Bailiffs	12	Law, Public Safety, C	12.3	Security & Protective Services		0.20%	3	7	2
33.3052	Transit and Railroad Police	12	Law, Public Safety, C	12.4	Law Enforcement Services		0.20%	3	7	2
17.3029	Engineering Technicians, Except Drafters, All Other	13	Manufacturing	13.2	Development		0.20%	3	8	2
51.8093	Petroleum Pump System Operators, Refinery Operators	13	Manufacturing	13.1	Production		0.20%	3	8	2
13.2031	Budget Analysts	6	Finance	6.2	Business Finance		0.20%	3	2	1
43.3071	Tellers	6	Finance	6.5	Banking Services		0.20%	3	2	1
13.1041	Compliance Officers	7	Government & Public Administration	7.1	Governance		0.20%	3	1	1
43.4031	Court, Municipal, and License Clerks	7	Government & Public Administration	7.7	Administration		0.20%	3	1	1
43.9111	Statistical Assistants	7	Government & Public Administration	7.4	Planning		0.20%	3	1	1
45.2011	Agricultural Inspectors	7	Government & Public Administration	7.6	Regulation		0.20%	3	1	1
11.2021	Marketing Managers	14	Marketing	14.1	Marketing Management		0.20%	3	3	1
41.4011	Sales Representatives, Wholesale and Manufacturing, Except Parts and Accessories Sales	14	Marketing	14.2	Professional Sales	3,9	0.20%	3	3	1
27.1011	Art Directors	3	Arts, Audio/Video Technology and Communications	3.3	Visual Arts		0.10%	2	16	4
49.2022	Telecommunications Equipment Installers and Repairers	3	Arts, Audio/Video Technology and Communications	3.6	Telecommunications	9	0.10%	2	16	4
39.5011	Barbers	10	Human Services	10.4	Personal Care Services		0.10%	2	14	4
53.7061	Cleaners of Vehicles and Equipment	16	Transportation, Distribution, and Logistics	16.4	Maintenance		0.10%	2	13	4
53.7081	Refuse and Recyclable Material Collectors	1	Agriculture, Food & Forestry	1.6	Environmental Service Systems		0.10%	2	9	3
47.2031	Carpenters	2	Architecture & Construction	2.2	Construction	4	0.10%	2	10	3
47.2051	Cement Masons and Concrete Finishers	2	Architecture & Construction	2.2	Construction	4	0.10%	2	10	3
47.3012	Helpers--Carpenters	2	Architecture & Construction	2.2	Construction		0.10%	2	10	3
49.9098	Helpers--Installation, Maintenance, and Repair Workers	2	Architecture & Construction	2.3	Maintenance/Operations		0.10%	2	10	3
21.1012	Educational, Guidance, School, and Vocational Counselors	5	Education & Training	5.2	Professional Support Services		0.10%	2	12	3
25.3011	Adult Basic and Secondary Education and Literacy Workers	5	Education & Training	5.3	Teaching/Training		0.10%	2	12	3
27.2022	Coaches and Scouts	5	Education & Training	5.3	Teaching/Training	6	0.10%	2	12	3
17.2151	Mining and Geological Engineers, Including Mining Engineers	15	Science, Technology, Engineering, and Mathematics	15.1	Engineering and Technology		0.10%	2	11	3
19.2032	Materials Scientists	15	Science, Technology, Engineering, and Mathematics	15.2	Science and Mathematics		0.10%	2	11	3
13.1111	Management Analysts	4	Business Management	4.4	Operations Management	5	0.10%	2	6	2
43.4121	Library Assistants, Clerical	4	Business Management	4.5	Administrative Support		0.10%	2	6	2
35.2012	Cooks, Institution and Cafeteria	9	Hospitality & Tourism	9.1	Services		0.10%	2	5	2
35.2015	Cooks, Short Order	9	Hospitality & Tourism	9.1	Services		0.10%	2	5	2
23.1021	Administrative Law Judges, Adjudicators, and Hearing Officers	12	Law, Public Safety, and Corrections	12.5	Legal Services		0.10%	2	7	2
23.1022	Arbitrators, Mediators, and Conciliators	12	Law, Public Safety, and Corrections	12.5	Legal Services		0.10%	2	7	2
49.3053	Outdoor Power Equipment and Other Small Engine Mechanics	13	Manufacturing	13.3	Maintenance, Installation & Repair		0.10%	2	8	2
51.9071	Jewelers and Precious Stone and Metal Workers	13	Manufacturing	13.1	Production		0.10%	2	8	2
13.1031	Claims Adjusters, Examiners, and Investigators	6	Finance	6.4	Insurance	5	0.10%	2	2	1
41.3021	Insurance Sales Agents	6	Finance	6.4	Insurance	5	0.10%	2	2	1
41.1011	First-Line Supervisors of Retail Sales Workers	14	Marketing	14.2	Professional Sales	12	0.10%	2	3	1
41.4012	Sales Representatives, Wholesale and Manufacturing, Parts and Accessories Sales	14	Marketing	14.2	Professional Sales	1,2,4,11	0.10%	2	3	1
27.2031	Dancers	3	Arts, Audio/Video Technology and Communications	3.4	Performing Arts		0.00%	2	16	4
27.3012	Public Address System and Other Announcers	3	Arts, Audio/Video Technology and Communications	3.4	Performing Arts		0.00%	2	16	4
27.3099	Media and Communication Workers, All Other	3	Arts, Audio/Video Technology and Communications	3.5	Journalism and Broadcasting		0.00%	2	16	4
29.1022	Oral and Maxillofacial Surgeons	8	Health Science	8.1	Therapeutic Services		0.00%	2	15	4
29.1029	Dentists, All Other Specialists	8	Health Science	8.1	Therapeutic Services		0.00%	2	15	4

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29.1031	Dietitians and Nutritionists	8	Health Science	8.1	Therapeutic Services	8	0.00%	2	15	4
29.1081	Podiatrists	8	Health Science	8.1	Therapeutic Services		0.00%	2	15	4
31.1013	Psychiatric Aides	8	Health Science	8.1	Therapeutic Services		0.00%	2	15	4
31.9096	Veterinary Assistants and Laboratory Animal Care	8	Health Science	8.4	Support Services		0.00%	2	15	4
49.2093	Electrical and Electronics Installers and Repairers,	16	Transportation, Distr	16.4	Maintenance		0.00%	2	13	4
49.2096	Electronic Equipment Installers and Repairers, M	16	Transportation, Distr	16.4	Maintenance		0.00%	2	13	4
49.3091	Bicycle Repairers	16	Transportation, Distr	16.4	Maintenance		0.00%	2	13	4
49.9097	Signal and Track Switch Repairers	16	Transportation, Distr	16.4	Maintenance		0.00%	2	13	4
53.5011	Sailors and Marine Oilers	16	Transportation, Distr	16.1	Transportation Operations		0.00%	2	13	4
53.6021	Parking Lot Attendants	16	Transportation, Distr	16.7	Sales and Service		0.00%	2	13	4
53.6041	Traffic Technicians	16	Transportation, Distr	16.5	Planning, Management and Regulation		0.00%	2	13	4
17.2021	Agricultural Engineers	1	Agriculture, Food & I	1.4	Power, Structural & Technical Systems		0.00%	2	9	3
19.1023	Zoologists and Wildlife Biologists	1	Agriculture, Food & I	1.5	Natural Resources Systems		0.00%	2	9	3
19.4093	Forest and Conservation Technicians	1	Agriculture, Food & I	1.5	Natural Resources Systems		0.00%	2	9	3
45.2041	Graders and Sorters, Agricultural Products	1	Agriculture, Food & I	1.1	Food Products and Processing Systems		0.00%	2	9	3
45.4021	Fallers	1	Agriculture, Food & I	1.5	Natural Resources Systems		0.00%	2	9	3
47.2053	Terrazzo Workers and Finishers	2	Architecture & Const	2.2	Construction		0.00%	2	10	3
47.2081	Drywall and Ceiling Tile Installers	2	Architecture & Const	2.2	Construction		0.00%	2	10	3
47.2082	Tapers	2	Architecture & Const	2.2	Construction		0.00%	2	10	3
47.2111	Electricians	2	Architecture & Const	2.2	Construction	4	0.00%	2	10	3
47.2132	Insulation Workers, Mechanical	2	Architecture & Const	2.2	Construction	4	0.00%	2	10	3
47.2161	Plasterers and Stucco Masons	2	Architecture & Const	2.2	Construction		0.00%	2	10	3
47.2171	Reinforcing Iron and Rebar Workers	2	Architecture & Const	2.2	Construction		0.00%	2	10	3
47.5011	Derrick Operators, Oil and Gas	2	Architecture & Const	2.2	Construction		0.00%	2	10	3
47.5031	Explosives Workers, Ordnance Handling Experts, i	2	Architecture & Const	2.2	Construction		0.00%	2	10	3
47.5049	Mining Machine Operators, All Other	2	Architecture & Const	2.2	Construction		0.00%	2	10	3
47.5099	Extraction Workers, All Other	2	Architecture & Const	2.2	Construction		0.00%	2	10	3
49.9051	Electrical Power-Line Installers and Repairers	2	Architecture & Const	2.3	Maintenance/Operations	7	0.00%	2	10	3
25.2022	Middle School Teachers, Except Special and Caree	5	Education & Training	5.3	Teaching/Training		0.00%	2	12	3
17.2121	Marine Engineers and Naval Architects	15	Science, Technology,	15.1	Engineering and Technology		0.00%	2	11	3
17.2161	Nuclear Engineers	15	Science, Technology,	15.1	Engineering and Technology		0.00%	2	11	3
17.2199	Engineers, All Other	15	Science, Technology,	15.1	Engineering and Technology		0.00%	2	11	3
19.1031	Conservation Scientists	15	Science, Technology,	15.2	Science and Mathematics		0.00%	2	11	3
19.2012	Physicists	15	Science, Technology,	15.2	Science and Mathematics		0.00%	2	11	3
19.2021	Atmospheric and Space Scientists	15	Science, Technology,	15.2	Science and Mathematics		0.00%	2	11	3
19.3011	Economists	15	Science, Technology,	15.2	Science and Mathematics		0.00%	2	11	3
13.1071	Human Resources Specialists	4	Business Manageme	4.3	Human Resources Management		0.00%	2	6	2
43.2099	Communications Equipment Operators, All Other	4	Business Manageme	4.5	Administrative Support		0.00%	2	6	2
41.3041	Travel Agents	9	Hospitality & Tourisn	9.3	Travel & Tourism		0.00%	2	5	2
33.3031	Fish and Game Wardens	12	Law, Public Safety, C	12.4	Law Enforcement Services		0.00%	2	7	2
17.3027	Mechanical Engineering Technicians	13	Manufacturing	13.2	Development		0.00%	2	8	2
49.2021	Radio, Cellular, and Tower Equipment Installers a	13	Manufacturing	13.3	Maintenance, Installation & Repair		0.00%	2	8	2
49.9063	Musical Instrument Repairers and Tuners	13	Manufacturing	13.3	Maintenance, Installation & Repair		0.00%	2	8	2

Table 5 SOC 2010 Career Cluster_Pathway

SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
51.3021	Butchers and Meat Cutters	13	Manufacturing	13.1	Production	12	0.00%	2	8	2
51.6041	Shoe and Leather Workers and Repairers	13	Manufacturing	13.1	Production		0.00%	2	8	2
51.8011	Nuclear Power Reactor Operators	13	Manufacturing	13.1	Production		0.00%	2	8	2
29.9011	Occupational Health and Safety Specialists	7	Government & Public Administration	7.6	Regulation		0.00%	2	1	1
29.1021	Dentists, General	8	Health Science	8.1	Therapeutic Services		-0.10%	2	15	4
29.2081	Opticians, Dispensing	8	Health Science	8.1	Therapeutic Services		-0.10%	2	15	4
49.3043	Rail Car Repairers	16	Transportation, Distribution & Logistics	16.4	Maintenance		-0.10%	2	13	4
53.3033	Light Truck or Delivery Services Drivers	16	Transportation, Distribution & Logistics	16.1	Transportation Operations	2,10	-0.10%	2	13	4
49.3041	Farm Equipment Mechanics and Service Technicians	1	Agriculture, Food & Forestry	1.4	Power, Structural & Technical Systems		-0.10%	2	9	3
17.3022	Civil Engineering Technicians	2	Architecture & Construction	2.1	Design/Pre-Construction		-0.10%	2	10	3
47.4021	Elevator Installers and Repairers	2	Architecture & Construction	2.3	Maintenance/Operations		-0.10%	2	10	3
47.4071	Septic Tank Servicers and Sewer Pipe Cleaners	2	Architecture & Construction	2.3	Maintenance/Operations		-0.10%	2	10	3
51.8021	Stationary Engineers and Boiler Operators	2	Architecture & Construction	2.3	Maintenance/Operations		-0.10%	2	10	3
25.9041	Teacher Assistants	5	Education & Training	5.3	Teaching/Training		-0.10%	2	12	3
17.2072	Electronics Engineers, Except Computer	15	Science, Technology, Engineering & Mathematics	15.1	Engineering and Technology		-0.10%	2	11	3
19.3022	Survey Researchers	15	Science, Technology, Engineering & Mathematics	15.2	Science and Mathematics		-0.10%	2	11	3
17.3026	Industrial Engineering Technicians	13	Manufacturing	13.2	Development	1	-0.10%	2	8	2
49.1011	First-Line Supervisors of Mechanics, Installers, and Repairers	13	Manufacturing	13.3	Maintenance, Installation & Repair	7	-0.10%	2	8	2
51.9012	Separating, Filtering, Clarifying, Precipitating, and Operating	13	Manufacturing	13.1	Production		-0.10%	2	8	2
51.9083	Ophthalmic Laboratory Technicians	13	Manufacturing	13.1	Production		-0.10%	2	8	2
51.9123	Painting, Coating, and Decorating Workers	13	Manufacturing	13.1	Production		-0.10%	2	8	2
11.3031	Financial Managers	6	Finance	6.2	Business Finance		-0.10%	2	2	1
13.2099	Financial Specialists, All Other	6	Finance	6.1	Securities & Investments		-0.10%	2	2	1
13.2021	Appraisers and Assessors of Real Estate	7	Government & Public Administration	7.5	Revenue and Taxation		-0.10%	2	1	1
11.2022	Sales Managers	14	Marketing	14.1	Marketing Management	5	-0.10%	2	3	1
41.9031	Sales Engineers	14	Marketing	14.2	Professional Sales		-0.10%	2	3	1
27.1024	Graphic Designers	3	Arts, Audio/Video Technology & Communications	3.3	Visual Arts		-0.20%	2	16	4
27.3043	Writers and Authors	3	Arts, Audio/Video Technology & Communications	3.5	Journalism and Broadcasting		-0.20%	2	16	4
27.4012	Broadcast Technicians	3	Arts, Audio/Video Technology & Communications	3.5	Journalism and Broadcasting		-0.20%	2	16	4
47.2021	Brickmasons and Blockmasons	2	Architecture & Construction	2.2	Construction	4	-0.20%	2	10	3
47.2022	Stonemasons	2	Architecture & Construction	2.2	Construction		-0.20%	2	10	3
47.2131	Insulation Workers, Floor, Ceiling, and Wall	2	Architecture & Construction	2.2	Construction		-0.20%	2	10	3
47.3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Construction Workers	2	Architecture & Construction	2.2	Construction		-0.20%	2	10	3
47.3013	Helpers--Electricians	2	Architecture & Construction	2.2	Construction		-0.20%	2	10	3
25.4021	Librarians	5	Education & Training	5.2	Professional Support Services		-0.20%	2	12	3
17.2071	Electrical Engineers	15	Science, Technology, Engineering & Mathematics	15.1	Engineering and Technology		-0.20%	2	11	3
11.3061	Purchasing Managers	4	Business Management	4.4	Operations Management		-0.20%	2	6	2
15.2031	Operations Research Analysts	4	Business Management	4.4	Operations Management		-0.20%	2	6	2
39.3021	Motion Picture Projectionists	9	Hospitality & Tourism	9.4	Recreation, Amusements & Attractions		-0.20%	2	5	2
49.2011	Computer, Automated Teller, and Office Machine Repairers	13	Manufacturing	13.3	Maintenance, Installation & Repair		-0.20%	2	8	2
49.9031	Home Appliance Repairers	13	Manufacturing	13.3	Maintenance, Installation & Repair		-0.20%	2	8	2
51.8099	Plant and System Operators, All Other	13	Manufacturing	13.1	Production		-0.20%	2	8	2
13.2053	Insurance Underwriters	6	Finance	6.4	Insurance		-0.20%	2	2	1

Table 5 SOC 2010 Career Cluster_Pathway

SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
41.3031	Securities, Commodities, and Financial Services S	6	Finance	6.1	Securities & Investments	5	-0.20%	2	2	1
11.9141	Property, Real Estate, and Community Associatio	14	Marketing	14.1	Marketing Management		-0.20%	2	3	1
27.1021	Commercial and Industrial Designers	3	Arts, Audio/Video Te	3.3	Visual Arts		-0.30%	2	16	4
43.9081	Proofreaders and Copy Markers	3	Arts, Audio/Video Te	3.2	Printing Technology		-0.30%	2	16	4
49.9052	Telecommunications Line Installers and Repairers	3	Arts, Audio/Video Te	3.6	Telecommunications	9	-0.30%	2	16	4
29.1125	Recreational Therapists	8	Health Science	8.1	Therapeutic Services		-0.30%	2	15	4
29.2054	Respiratory Therapy Technicians	8	Health Science	8.1	Therapeutic Services		-0.30%	2	15	4
49.3021	Automotive Body and Related Repairers	16	Transportation, Distr	16.4	Maintenance	12	-0.30%	2	13	4
49.3092	Recreational Vehicle Service Technicians	16	Transportation, Distr	16.4	Maintenance		-0.30%	2	13	4
53.4021	Railroad Brake, Signal, and Switch Operators	16	Transportation, Distr	16.1	Transportation Operations		-0.30%	2	13	4
47.2121	Glaziers	2	Architecture & Const	2.2	Construction		-0.30%	2	10	3
47.2221	Structural Iron and Steel Workers	2	Architecture & Const	2.2	Construction		-0.30%	2	10	3
11.9032	Education Administrators, Elementary and Secon	5	Education & Training	5.1	Support		-0.30%	2	12	3
25.9021	Farm and Home Management Advisors	5	Education & Training	5.3	Teaching/Training		-0.30%	2	12	3
11.9041	Architectural and Engineering Managers	15	Science, Technology,	15.1	Engineering and Technology		-0.30%	2	11	3
43.4181	Reservation and Transportation Ticket Agents and	9	Hospitality & Tourisn	9.3	Travel & Tourism		-0.30%	2	5	2
43.5061	Production, Planning, and Expediting Clerks	13	Manufacturing	13.4	Quality Assurance	1	-0.30%	2	8	2
29.1023	Orthodontists	8	Health Science	8.1	Therapeutic Services		-0.40%	2	15	4
21.2011	Clergy	10	Human Services	10.3	Family & Community Services		-0.40%	2	14	4
21.2099	Religious Workers, All Other	10	Human Services	10.3	Family & Community Services		-0.40%	2	14	4
53.6099	Transportation Workers, All Other	16	Transportation, Distr	16.1	Transportation Operations		-0.40%	2	13	4
19.1032	Foresters	1	Agriculture, Food & I	1.5	Natural Resources Systems		-0.40%	2	9	3
47.4041	Hazardous Materials Removal Workers	1	Agriculture, Food & I	1.6	Environmental Service Systems		-0.40%	2	9	3
47.2211	Sheet Metal Workers	2	Architecture & Const	2.2	Construction	4	-0.40%	2	10	3
17.2131	Materials Engineers	15	Science, Technology,	15.1	Engineering and Technology		-0.40%	2	11	3
17.3012	Electrical and Electronics Drafters	13	Manufacturing	13.2	Development		-0.40%	2	8	2
51.4011	Computer-Controlled Machine Tool Operators, M	13	Manufacturing	13.1	Production	1	-0.40%	2	8	2
51.9011	Chemical Equipment Operators and Tenders	13	Manufacturing	13.1	Production		-0.40%	2	8	2
51.9199	Production Workers, All Other	13	Manufacturing	13.1	Production		-0.40%	2	8	2
41.2011	Cashiers	14	Marketing	14.2	Professional Sales		-0.40%	2	3	1
41.9091	Door-to-Door Sales Workers, News and Street Ve	14	Marketing	14.2	Professional Sales		-0.40%	2	3	1
27.2042	Musicians and Singers	3	Arts, Audio/Video Te	3.4	Performing Arts		-0.50%	2	16	4
21.2021	Directors, Religious Activities and Education	10	Human Services	10.3	Family & Community Services		-0.50%	2	14	4
51.6052	Tailors, Dressmakers, and Custom Sewers	10	Human Services	10.4	Personal Care Services		-0.50%	2	14	4
43.5032	Dispatchers, Except Police, Fire, and Ambulance	16	Transportation, Distr	16.2	Services		-0.50%	2	13	4
53.6011	Bridge and Lock Tenders	16	Transportation, Distr	16.1	Transportation Operations		-0.50%	2	13	4
13.1021	Buyers and Purchasing Agents, Farm Products	1	Agriculture, Food & I	1.7	Agribusiness Systems		-0.50%	2	9	3
49.9012	Control and Valve Installers and Repairers, Except	2	Architecture & Const	2.3	Maintenance/Operations		-0.50%	2	10	3
25.2031	Secondary School Teachers, Except Special and C	5	Education & Training	5.3	Teaching/Training		-0.50%	2	12	3
17.2141	Mechanical Engineers	15	Science, Technology,	15.1	Engineering and Technology	1,3,9	-0.50%	2	11	3
43.1011	First-Line Supervisors of Office and Administrativ	4	Business Manageme	4.5	Administrative Support	5,8	-0.50%	2	6	2
49.2097	Electronic Home Entertainment Equipment Instal	13	Manufacturing	13.3	Maintenance, Installation & Repair		-0.50%	2	8	2
51.4122	Welding, Soldering, and Brazing Machine Setters,	13	Manufacturing	13.1	Production		-0.50%	2	8	2

Table 5 SOC 2010 Career Cluster_Pathway

SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
51.9023	Mixing and Blending Machine Setters, Operators,	13	Manufacturing	13.1	Production	5	-0.50%	2	8	2
51.9081	Dental Laboratory Technicians	13	Manufacturing	13.1	Production		-0.50%	2	8	2
51.9122	Painters, Transportation Equipment	13	Manufacturing	13.1	Production		-0.50%	2	8	2
51.9197	Tire Builders	13	Manufacturing	13.1	Production		-0.50%	2	8	2
13.2072	Loan Officers	6	Finance	6.5	Banking Services		-0.50%	2	2	1
41.1012	First-Line Supervisors of Non-Retail Sales Worker:	14	Marketing	14.2	Professional Sales		-0.50%	2	3	1
27.1012	Craft Artists	3	Arts, Audio/Video Te	3.3	Visual Arts		-0.60%	1	16	4
27.1022	Fashion Designers	3	Arts, Audio/Video Te	3.3	Visual Arts		-0.60%	1	16	4
27.4021	Photographers	3	Arts, Audio/Video Te	3.5	Journalism and Broadcasting		-0.60%	1	16	4
43.9031	Desktop Publishers	3	Arts, Audio/Video Te	3.2	Printing Technology		-0.60%	1	16	4
43.3021	Billing and Posting Clerks	16	Transportation, Distr	16.7	Sales and Service	5,8	-0.60%	1	13	4
53.7072	Pump Operators, Except Wellhead Pumpers	16	Transportation, Distr	16.1	Transportation Operations		-0.60%	1	13	4
53.7199	Material Moving Workers, All Other	16	Transportation, Distr	16.1	Transportation Operations		-0.60%	1	13	4
47.3016	Helpers--Roofers	2	Architecture & Const	2.2	Construction		-0.60%	1	10	3
53.7021	Crane and Tower Operators	2	Architecture & Const	2.2	Construction		-0.60%	1	10	3
43.3061	Procurement Clerks	4	Business Manageme	4.5	Administrative Support		-0.60%	1	6	2
43.5071	Shipping, Receiving, and Traffic Clerks	4	Business Manageme	4.5	Administrative Support		-0.60%	1	6	2
13.1023	Purchasing Agents, Except Wholesale, Retail, and	13	Manufacturing	13.2	Development		-0.60%	1	8	2
49.9043	Maintenance Workers, Machinery	13	Manufacturing	13.3	Maintenance, Installation & Repair		-0.60%	1	8	2
51.3093	Food Cooking Machine Operators and Tenders	13	Manufacturing	13.1	Production		-0.60%	1	8	2
51.4041	Machinists	13	Manufacturing	13.1	Production	1	-0.60%	1	8	2
51.9032	Cutting and Slicing Machine Setters, Operators, a	13	Manufacturing	13.1	Production		-0.60%	1	8	2
41.9022	Real Estate Sales Agents	14	Marketing	14.2	Professional Sales		-0.60%	1	3	1
53.7062	Laborers and Freight, Stock, and Material Movers	16	Transportation, Distr	16.1	Transportation Operations		-0.70%	1	13	4
49.9095	Manufactured Building and Mobile Home Installers	2	Architecture & Const	2.2	Construction		-0.70%	1	10	3
43.3051	Payroll and Timekeeping Clerks	4	Business Manageme	4.5	Administrative Support		-0.70%	1	6	2
35.2019	Cooks, All Other	9	Hospitality & Tourism	9.1	Services		-0.70%	1	5	2
33.9091	Crossing Guards	12	Law, Public Safety, C	12.3	Security & Protective Services		-0.70%	1	7	2
17.3013	Mechanical Drafters	13	Manufacturing	13.2	Development		-0.70%	1	8	2
19.4051	Nuclear Technicians	13	Manufacturing	13.2	Development		-0.70%	1	8	2
51.4081	Multiple Machine Tool Setters, Operators, and Te	13	Manufacturing	13.1	Production	1	-0.70%	1	8	2
11.1031	Legislators	7	Government & Public Administration	7.1	Governance		-0.70%	1	1	1
13.1022	Wholesale and Retail Buyers, Except Farm Products	14	Marketing	14.3	Merchandising		-0.70%	1	3	1
53.3031	Driver/Sales Workers	14	Marketing	14.2	Professional Sales		-0.70%	1	3	1
27.2041	Music Directors and Composers	3	Arts, Audio/Video Te	3.4	Performing Arts		-0.80%	1	16	4
53.7051	Industrial Truck and Tractor Operators	16	Transportation, Distr	16.1	Transportation Operations		-0.80%	1	13	4
47.2043	Floor Sanders and Finishers	2	Architecture & Const	2.2	Construction		-0.80%	1	10	3
47.3014	Helpers--Painters, Paperhangers, Plasterers, and :	2	Architecture & Const	2.2	Construction		-0.80%	1	10	3
11.1021	General and Operations Managers	4	Business Manageme	4.1	General Management		-0.80%	1	6	2
17.3019	Drafters, All Other	13	Manufacturing	13.2	Development		-0.80%	1	8	2
17.3023	Electrical and Electronics Engineering Technicians	13	Manufacturing	13.2	Development	1,5,7	-0.80%	1	8	2
49.9064	Watch Repairers	13	Manufacturing	13.3	Maintenance, Installation & Repair		-0.80%	1	8	2
41.9021	Real Estate Brokers	14	Marketing	14.2	Professional Sales		-0.80%	1	3	1

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43.5021	Couriers and Messengers	16	Transportation, Distr	16.1	Transportation Operations	9	-0.90%	1	13	4
53.7111	Mine Shuttle Car Operators	16	Transportation, Distr	16.1	Transportation Operations		-0.90%	1	13	4
17.3011	Architectural and Civil Drafters	2	Architecture & Const	2.1	Design/Pre-Construction		-0.90%	1	10	3
49.9096	Riggers	2	Architecture & Const	2.2	Construction		-0.90%	1	10	3
53.7041	Hoist and Winch Operators	2	Architecture & Const	2.2	Construction		-0.90%	1	10	3
49.9061	Camera and Photographic Equipment Repairers	13	Manufacturing	13.3	Maintenance, Installation & Repair		-0.90%	1	8	2
51.2091	Fiberglass Laminators and Fabricators	13	Manufacturing	13.1	Production		-0.90%	1	8	2
51.4051	Metal-Refining Furnace Operators and Tenders	13	Manufacturing	13.1	Production		-0.90%	1	8	2
51.4111	Tool and Die Makers	13	Manufacturing	13.1	Production		-0.90%	1	8	2
51.4121	Welders, Cutters, Solderers, and Brazers	13	Manufacturing	13.1	Production		-0.90%	1	8	2
51.8013	Power Plant Operators	13	Manufacturing	13.1	Production	1,7	-0.90%	1	8	2
51.9195	Molders, Shapers, and Casters, Except Metal and	13	Manufacturing	13.1	Production	7	-0.90%	1	8	2
47.2041	Carpet Installers	2	Architecture & Const	2.2	Construction	6,8	-1.00%	1	10	3
47.4099	Construction and Related Workers, All Other	2	Architecture & Const	2.3	Maintenance/Operations		-1.00%	1	10	3
43.6014	Secretaries and Administrative Assistants, Except	4	Business Manageme	4.5	Administrative Support		-1.00%	1	6	2
23.2093	Title Examiners, Abstractors, and Searchers	12	Law, Public Safety, C	12.5	Legal Services		-1.00%	1	7	2
17.3024	Electro-Mechanical Technicians	13	Manufacturing	13.2	Development		-1.00%	1	8	2
51.8091	Chemical Plant and System Operators	13	Manufacturing	13.1	Production		-1.00%	1	8	2
51.9041	Extruding, Forming, Pressing, and Compacting M	13	Manufacturing	13.1	Production		-1.00%	1	8	2
51.9193	Cooling and Freezing Equipment Operators and T	13	Manufacturing	13.1	Production		-1.00%	1	8	2
51.9198	Helpers--Production Workers	13	Manufacturing	13.1	Production		-1.00%	1	8	2
43.4011	Brokerage Clerks	6	Finance	6.1	Securities & Investments		-1.00%	1	2	1
41.2022	Parts Salespersons	14	Marketing	14.2	Professional Sales	12	-1.00%	1	3	1
27.3022	Reporters and Correspondents	3	Arts, Audio/Video Te	3.5	Journalism and Broadcasting	1	-1.10%	1	16	4
51.6021	Pressers, Textile, Garment, and Related Materials	10	Human Services	10.4	Personal Care Services		-1.10%	1	14	4
51.1011	First-Line Supervisors of Production and Operatin	13	Manufacturing	13.1	Production		-1.10%	1	8	2
51.2023	Electromechanical Equipment Assemblers	13	Manufacturing	13.1	Production		-1.10%	1	8	2
51.4021	Extruding and Drawing Machine Setters, Operato	13	Manufacturing	13.1	Production		-1.10%	1	8	2
51.7099	Woodworkers, All Other	13	Manufacturing	13.1	Production		-1.10%	1	8	2
51.9111	Packaging and Filling Machine Operators and Ten	13	Manufacturing	13.1	Production		-1.10%	1	8	2
51.9194	Etchers and Engravers	13	Manufacturing	13.1	Production		-1.10%	1	8	2
51.9196	Paper Goods Machine Setters, Operators, and Tei	13	Manufacturing	13.1	Production		-1.10%	1	8	2
43.9041	Insurance Claims and Policy Processing Clerks	6	Finance	6.4	Insurance		-1.10%	1	2	1
13.2071	Credit Counselors	10	Human Services	10.5	Consumer Services	5,8	-1.20%	1	14	4
49.3052	Motorcycle Mechanics	16	Transportation, Distr	16.4	Maintenance		-1.20%	1	13	4
53.7011	Conveyor Operators and Tenders	2	Architecture & Const	2.2	Construction		-1.20%	1	10	3
11.3051	Industrial Production Managers	4	Business Manageme	4.4	Operations Management		-1.20%	1	6	2
43.5051	Postal Service Clerks	4	Business Manageme	4.5	Administrative Support		-1.20%	1	6	2
43.5052	Postal Service Mail Carriers	4	Business Manageme	4.5	Administrative Support		-1.20%	1	6	2
49.2092	Electric Motor, Power Tool, and Related Repairer	13	Manufacturing	13.3	Maintenance, Installation & Repair		-1.20%	1	8	2
51.4012	Computer Numerically Controlled Machine Tool F	13	Manufacturing	13.1	Production		-1.20%	1	8	2
51.4023	Rolling Machine Setters, Operators, and Tenders,	13	Manufacturing	13.1	Production		-1.20%	1	8	2
51.4052	Pourers and Casters, Metal	13	Manufacturing	13.1	Production		-1.20%	1	8	2

Table 5 SOC 2010 Career Cluster_Pathway

SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
51.4061	Model Makers, Metal and Plastic	13	Manufacturing	13.1	Production	1	-1.20%	1	8	2
51.4062	Patternmakers, Metal and Plastic	13	Manufacturing	13.1	Production		-1.20%	1	8	2
27.3041	Editors	3	Arts, Audio/Video Te	3.5	Journalism and Broadcasting		-1.30%	1	16	4
31.9095	Pharmacy Aides	8	Health Science	8.4	Support Services		-1.30%	1	15	4
43.5081	Stock Clerks and Order Fillers	4	Business Manageme	4.5	Administrative Support		-1.30%	1	6	2
51.2092	Team Assemblers	13	Manufacturing	13.1	Production		-1.30%	1	8	2
51.9061	Inspectors, Testers, Sorters, Samplers, and Weigh	13	Manufacturing	13.4	Quality Assurance		-1.30%	1	8	2
11.9131	Postmasters and Mail Superintendents	7	Government & Publi	7.7	Administration		-1.30%	1	1	1
51.6051	Sewers, Hand	13	Manufacturing	13.1	Production		-1.40%	1	8	2
13.2041	Credit Analysts	6	Finance	6.5	Banking Services		-1.40%	1	2	1
51.2041	Structural Metal Fabricators and Fitters	2	Architecture & Const	2.2	Construction	6	-1.50%	1	10	3
25.2032	Career/Technical Education Teachers, Secondary	5	Education & Training	5.3	Teaching/Training		-1.50%	1	12	3
43.9071	Office Machine Operators, Except Computer	4	Business Manageme	4.5	Administrative Support		-1.50%	1	6	2
51.2099	Assemblers and Fabricators, All Other	13	Manufacturing	13.1	Production		-1.50%	1	8	2
53.4013	Rail Yard Engineers, Dinkey Operators, and Hostle	16	Transportation, Distr	16.1	Transportation Operations		-1.60%	1	13	4
25.2023	Career/Technical Education Teachers, Middle Sch	5	Education & Training	5.3	Teaching/Training		-1.60%	1	12	3
51.4191	Heat Treating Equipment Setters, Operators, and	13	Manufacturing	13.1	Production	1	-1.60%	1	8	2
51.4193	Plating and Coating Machine Setters, Operators, i	13	Manufacturing	13.1	Production		-1.60%	1	8	2
51.6093	Upholsterers	13	Manufacturing	13.1	Production		-1.60%	1	8	2
51.7042	Woodworking Machine Setters, Operators, and T	13	Manufacturing	13.1	Production		-1.60%	1	8	2
51.9022	Grinding and Polishing Workers, Hand	13	Manufacturing	13.1	Production		-1.60%	1	8	2
51.9031	Cutters and Trimmers, Hand	13	Manufacturing	13.1	Production		-1.60%	1	8	2
51.9051	Furnace, Kiln, Oven, Drier, and Kettle Operators a	13	Manufacturing	13.1	Production		-1.60%	1	8	2
51.9191	Adhesive Bonding Machine Operators and Tende	13	Manufacturing	13.1	Production		-1.60%	1	8	2
51.9192	Cleaning, Washing, and Metal Pickling Equipment	13	Manufacturing	13.1	Production		-1.60%	1	8	2
27.3021	Broadcast News Analysts	3	Arts, Audio/Video Te	3.5	Journalism and Broadcasting		-1.70%	1	16	4
49.9045	Refractory Materials Repairers, Except Brickmaso	2	Architecture & Const	2.3	Maintenance/Operations	7	-1.70%	1	10	3
43.9021	Data Entry Keyers	4	Business Manageme	4.5	Administrative Support		-1.70%	1	6	2
51.2031	Engine and Other Machine Assemblers	13	Manufacturing	13.1	Production		-1.70%	1	8	2
51.9021	Crushing, Grinding, and Polishing Machine Setter:	13	Manufacturing	13.1	Production		-1.70%	1	8	2
43.2011	Switchboard Operators, Including Answering Serv	4	Business Manageme	4.5	Administrative Support		-1.80%	1	6	2
43.9051	Mail Clerks and Mail Machine Operators, Except I	4	Business Manageme	4.5	Administrative Support		-1.80%	1	6	2
43.5111	Weighers, Measurers, Checkers, and Samplers, R	13	Manufacturing	13.4	Quality Assurance		-1.80%	1	8	2
49.2095	Electrical and Electronics Repairers, Powerhouse,	13	Manufacturing	13.3	Maintenance, Installation & Repair		-1.80%	1	8	2
51.7041	Sawing Machine Setters, Operators, and Tenders,	13	Manufacturing	13.1	Production		-1.80%	1	8	2
51.9141	Semiconductor Processors	13	Manufacturing	13.1	Production		-1.80%	1	8	2
53.4099	Rail Transportation Workers, All Other	16	Transportation, Distr	16.1	Transportation Operations		-1.90%	1	13	4
53.7064	Packers and Packagers, Hand	16	Transportation, Distr	16.1	Transportation Operations		-1.90%	1	13	4
47.2142	Paperhangers	2	Architecture & Const	2.2	Construction		-1.90%	1	10	3
43.4199	Information and Record Clerks, All Other	4	Business Manageme	4.5	Administrative Support		-1.90%	1	6	2
43.9022	Word Processors and Typists	4	Business Manageme	4.5	Administrative Support		-1.90%	1	6	2
43.9199	Office and Administrative Support Workers, All O	4	Business Manageme	4.5	Administrative Support		-1.90%	1	6	2
51.4072	Molding, Coremaking, and Casting Machine Sette	13	Manufacturing	13.1	Production		-1.90%	1	8	2

Table 5 SOC 2010 Career Cluster_Pathway

SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
51.9121	Coating, Painting, and Spraying Machine Setters,	13	Manufacturing	13.1	Production	5	-1.90%	1	8	2
53.7063	Machine Feeders and Offbearers	13	Manufacturing	13.1	Production		-1.90%	1	8	2
25.9011	Audio-Visual and Multimedia Collections Specialis	5	Education & Training	5.2	Professional Support Services		-2.00%	1	12	3
43.5041	Meter Readers, Utilities	4	Business Manageme	4.5	Administrative Support		-2.00%	1	6	2
51.4033	Grinding, Lapping, Polishing, and Buffing Machine	13	Manufacturing	13.1	Production		-2.00%	1	8	2
51.7021	Furniture Finishers	13	Manufacturing	13.1	Production		-2.00%	1	8	2
51.8012	Power Distributors and Dispatchers	13	Manufacturing	13.1	Production		-2.00%	1	8	2
47.2042	Floor Layers, Except Carpet, Wood, and Hard Tile	2	Architecture & Const	2.2	Construction		-2.10%	1	10	3
43.5053	Postal Service Mail Sorters, Processors, and Proce	4	Business Manageme	4.5	Administrative Support		-2.10%	1	6	2
51.2093	Timing Device Assemblers and Adjusters	13	Manufacturing	13.1	Production		-2.10%	1	8	2
51.7011	Cabinetmakers and Bench Carpenters	13	Manufacturing	13.1	Production		-2.20%	1	8	2
43.4041	Credit Authorizers, Checkers, and Clerks	6	Finance	6.5	Banking Services		-2.20%	1	2	1
43.4131	Loan Interviewers and Clerks	6	Finance	6.5	Banking Services		-2.20%	1	2	1
41.9041	Telemarketers	14	Marketing	14.2	Professional Sales		-2.20%	1	3	1
51.4031	Cutting, Punching, and Press Machine Setters, Op	13	Manufacturing	13.1	Production		-2.30%	1	8	2
51.4035	Milling and Planing Machine Setters, Operators, a	13	Manufacturing	13.1	Production		-2.30%	1	8	2
51.4194	Tool Grinders, Filers, and Sharpeners	13	Manufacturing	13.1	Production		-2.40%	1	8	2
51.6091	Extruding and Forming Machine Setters, Operato	13	Manufacturing	13.1	Production		-2.40%	1	8	2
13.2082	Tax Preparers	6	Finance	6.2	Business Finance		-2.40%	1	2	1
27.2032	Choreographers	3	Arts, Audio/Video Te	3.4	Performing Arts		-2.50%	1	16	4
27.3011	Radio and Television Announcers	3	Arts, Audio/Video Te	3.5	Journalism and Broadcasting		-2.50%	1	16	4
51.4032	Drilling and Boring Machine Tool Setters, Operatc	13	Manufacturing	13.1	Production		-2.60%	1	8	2
51.4034	Lathe and Turning Machine Tool Setters, Operato	13	Manufacturing	13.1	Production		-2.60%	1	8	2
45.4023	Log Graders and Scalers	1	Agriculture, Food & I	1.5	Natural Resources Systems		-2.80%	1	9	3
51.4071	Foundry Mold and Coremakers	13	Manufacturing	13.1	Production		-2.90%	1	8	2
43.4141	New Accounts Clerks	4	Business Manageme	4.5	Administrative Support		-3.00%	1	6	2
43.4151	Order Clerks	4	Business Manageme	4.5	Administrative Support		-3.10%	1	6	2
51.2021	Coil Winders, Tapers, and Finishers	13	Manufacturing	13.1	Production		-3.20%	1	8	2
51.6062	Textile Cutting Machine Setters, Operators, and T	13	Manufacturing	13.1	Production		-3.20%	1	8	2
27.4013	Radio Operators	3	Arts, Audio/Video Te	3.5	Journalism and Broadcasting		-3.30%	1	16	4
51.6042	Shoe Machine Operators and Tenders	13	Manufacturing	13.1	Production		-3.30%	1	8	2
51.4192	Layout Workers, Metal and Plastic	13	Manufacturing	13.1	Production		-3.40%	1	8	2
51.2022	Electrical and Electronic Equipment Assemblers	13	Manufacturing	13.1	Production		-3.50%	1	8	2
51.4022	Forging Machine Setters, Operators, and Tenders	13	Manufacturing	13.1	Production		-3.60%	1	8	2
51.4199	Metal Workers and Plastic Workers, All Other	13	Manufacturing	13.1	Production		-3.70%	1	8	2
43.9011	Computer Operators	4	Business Manageme	4.5	Administrative Support		-3.80%	1	6	2
51.6031	Sewing Machine Operators	13	Manufacturing	13.1	Production		-4.10%	1	8	2
51.6099	Textile, Apparel, and Furnishings Workers, All Ot	13	Manufacturing	13.1	Production		-4.10%	1	8	2
43.2021	Telephone Operators	4	Business Manageme	4.5	Administrative Support		-4.40%	1	6	2
51.6061	Textile Bleaching and Dyeing Machine Operators	13	Manufacturing	13.1	Production		-4.60%	1	8	2
51.6092	Fabric and Apparel Patternmakers	13	Manufacturing	13.1	Production		-5.30%	1	8	2
51.6064	Textile Winding, Twisting, and Drawing Out Mach	13	Manufacturing	13.1	Production		-5.70%	1	8	2
51.7032	Patternmakers, Wood	13	Manufacturing	13.1	Production		-5.80%	1	8	2

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SOC CODE	SOC TITLE	Career Clstr	SOC_Career Clusters	PTHW Y NO	PTHWY TITLE	HPO_PA	Employment Growth Ave Annual	Employment Growth Quartile	Student Rank	Student Rank Quartile
43.4071	File Clerks	4	Business Manageme	4.5	Administrative Support	8	-6.10%	1	6	2
51.6063	Textile Knitting and Weaving Machine Setters, Op	13	Manufacturing	13.1	Production		-6.80%	1	8	2
51.5111	Prepress Technicians and Workers	3	Arts, Audio/Video Te	3.2	Printing Technology		-	-	16	4
51.5112	Printing Press Operators	3	Arts, Audio/Video Te	3.2	Printing Technology		-	-	16	4
51.5113	Print Binding and Finishing Workers	3	Arts, Audio/Video Te	3.2	Printing Technology		-	-	16	4
39.5091	Makeup Artists, Theatrical and Performance	3	Arts, Audio/Video Te	3.4	Performing Arts		-	-	16	4
29.1024	Prosthodontists	8	Health Science	8.1	Therapeutic Services		-	-	15	4
29.1128	Exercise Physiologists	8	Health Science	8.1	Therapeutic Services		-	-	15	4
29.1141	Registered Nurses	8	Health Science	8.1	Therapeutic Services		-	-	15	4
29.1151	Nurse Anesthetists	8	Health Science	8.1	Therapeutic Services		-	-	15	4
29.1161	Nurse Midwives	8	Health Science	8.1	Therapeutic Services		-	-	15	4
29.1171	Nurse Practitioners	8	Health Science	8.1	Therapeutic Services		-	-	15	4
29.1181	Audiologists	8	Health Science	8.1	Therapeutic Services		-	-	15	4
29.2035	Magnetic Resonance Imaging Technologists	8	Health Science	8.2	Diagnostic Services		-	-	15	4
29.2057	Ophthalmic Medical Technicians	8	Health Science	8.1	Therapeutic Services		-	-	15	4
29.2092	Hearing Aid Specialists	8	Health Science	8.1	Therapeutic Services		-	-	15	4
29.9092	Genetic Counselors	8	Health Science	8.1	Therapeutic Services		-	-	15	4
31.1014	Nursing Assistants	8	Health Science	8.1	Therapeutic Services		-	-	15	4
31.1015	Orderlies	8	Health Science	8.4	Support Services		-	-	15	4
31.9097	Phlebotomists	8	Health Science	8.4	Support Services		-	-	15	4
21.1094	Community Health Workers	10	Human Services	10.3	Family & Community Services		-	-	14	4
39.4031	Morticians, Undertakers, and Funeral Directors	10	Human Services	10.4	Personal Care Services		-	-	14	4
19.3032	Industrial-Organizational Psychologists	10	Human Services	10.2	Counseling & Mental Health Services		-	-	14	4
53.2031	Flight Attendants	16	Transportation, Distr	16.1	Transportation Operations		-	-	13	4
53.6061	Transportation Attendants, Except Flight Attenda	16	Transportation, Distr	16.1	Transportation Operations		-	-	13	4
53.4012	Locomotive Firers	16	Transportation, Distr	16.1	Transportation Operations		-	-	13	4
53.4041	Subway and Streetcar Operators	16	Transportation, Distr	16.1	Transportation Operations		-	-	13	4
11.9013	Farmers, Ranchers, and Other Agricultural Manag	1	Agriculture, Food & I	1.7	Agribusiness Systems	2	-	-	9	3
13.1074	Farm Labor Contractors	1	Agriculture, Food & I	1.7	Agribusiness Systems		-	-	9	3
45.3011	Fishers and Related Fishing Workers	1	Agriculture, Food & I	1.5	Natural Resources Systems		-	-	9	3
45.3021	Hunters and Trappers	1	Agriculture, Food & I	1.5	Natural Resources Systems		-	-	9	3
19.1011	Animal Scientists	1	Agriculture, Food & I	1.3	Animal Systems		-	-	9	3
45.4029	Logging Workers, All Other	1	Agriculture, Food & I	1.5	Natural Resources Systems		-	-	9	3
47.2231	Solar Photovoltaic Installers	2	Architecture & Const	2.2	Construction		-	-	10	3
49.9092	Commercial Divers	2	Architecture & Const	2.3	Maintenance/Operations		-	-	10	3
47.2072	Pile-Driver Operators	2	Architecture & Const	2.2	Construction	6	-	-	10	3
47.4091	Segmental Pavers	2	Architecture & Const	2.2	Construction		-	-	10	3
53.7031	Dredge Operators	2	Architecture & Const	2.2	Construction		-	-	10	3
25.2051	Special Education Teachers, Preschool	5	Education & Training	5.3	Teaching/Training		-	-	12	3
25.2052	Special Education Teachers, Kindergarten and Ele	5	Education & Training	5.3	Teaching/Training		-	-	12	3
25.2053	Special Education Teachers, Middle School	5	Education & Training	5.3	Teaching/Training		-	-	12	3
25.2054	Special Education Teachers, Secondary School	5	Education & Training	5.3	Teaching/Training		-	-	12	3
25.2059	Special Education Teachers, All Other	5	Education & Training	5.3	Teaching/Training		-	-	12	3

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15.1111	Computer and Information Research Scientists	15	Science, Technology,	15.2	Science and Mathematics	5	-	-	11	3
19.2011	Astronomers	15	Science, Technology,	15.2	Science and Mathematics		-	-	11	3
15.2021	Mathematicians	15	Science, Technology,	15.2	Science and Mathematics		-	-	11	3
15.2091	Mathematical Technicians	15	Science, Technology,	15.2	Science and Mathematics		-	-	11	3
15.2099	Mathematical Science Occupations, All Other	15	Science, Technology,	15.2	Science and Mathematics		-	-	11	3
19.3094	Political Scientists	15	Science, Technology,	15.2	Science and Mathematics		-	-	11	3
11.3111	Compensation and Benefits Managers	4	Business Manageme	4.3	Human Resources Management		-	-	6	2
11.3121	Human Resources Managers	4	Business Manageme	4.3	Human Resources Management		-	-	6	2
11.3131	Training and Development Managers	4	Business Manageme	4.3	Human Resources Management		-	-	6	2
11.1011	Chief Executives	4	Business Manageme	4.1	General Management		-	-	6	2
13.1075	Labor Relations Specialists	4	Business Manageme	4.3	Human Resources Management	1,2,5,7,10	-	-	6	2
13.1131	Fundraisers	4	Business Manageme	4.4	Operations Management		-	-	6	2
13.1141	Compensation, Benefits, and Job Analysis Speciali	4	Business Manageme	4.3	Human Resources Management		-	-	6	2
13.1151	Training and Development Specialists	4	Business Manageme	4.3	Human Resources Management		-	-	6	2
39.3011	Gaming Dealers	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		-	-	5	2
39.7011	Tour Guides and Escorts	9	Hospitality & Tourisn	9.3	Travel & Tourism		-	-	5	2
39.7012	Travel Guides	9	Hospitality & Tourisn	9.3	Travel & Tourism		-	-	5	2
11.9071	Gaming Managers	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		-	-	5	2
39.3019	Gaming Service Workers, All Other	9	Hospitality & Tourisn	9.4	Recreation, Amusements & Attractions		-	-	5	2
23.1012	Judicial Law Clerks	12	Law, Public Safety, C	12.5	Legal Services		-	-	7	2
33.2022	Forest Fire Inspectors and Prevention Specialists	12	Law, Public Safety, C	12.2	Services		-	-	7	2
49.9071	Maintenance and Repair Workers, General	13	Manufacturing	13.3	Maintenance, Installation & Repair	1,2,5,7,10	-	-	8	2
49.9081	Wind Turbine Service Technicians	13	Manufacturing	13.3	Maintenance, Installation & Repair		-	-	8	2
51.3099	Food Processing Workers, All Other	13	Manufacturing	13.1	Production		-	-	8	2
51.9151	Photographic Process Workers and Processing Mi	13	Manufacturing	13.1	Production		-	-	8	2
17.3021	Aerospace Engineering and Operations Technicia	13	Manufacturing	13.2	Development		-	-	8	2
49.9093	Fabric Menders, Except Garment	13	Manufacturing	13.3	Maintenance, Installation & Repair		-	-	8	2
51.7031	Model Makers, Wood	13	Manufacturing	13.1	Production		-	-	8	2
43.3099	Financial Clerks, All Other	6	Finance	6.5	Banking Services		-	-	2	1
11.9161	Emergency Management Directors	7	Government & Publi	7.7	Administration		-	-	1	1
33.9093	Transportation Security Screeners	7	Government & Publi	7.2	National Security		-	-	1	1
55.1011	Air Crew Officers	7	Government & Publi	7.2	National Security	1,2,5,7,10	-	-	1	1
55.1012	Aircraft Launch and Recovery Officers	7	Government & Publi	7.2	National Security		-	-	1	1
55.1013	Armored Assault Vehicle Officers	7	Government & Publi	7.2	National Security		-	-	1	1
55.1014	Artillery and Missile Officers	7	Government & Publi	7.2	National Security		-	-	1	1
55.1015	Command and Control Center Officers	7	Government & Publi	7.2	National Security		-	-	1	1
55.1016	Infantry Officers	7	Government & Publi	7.2	National Security		-	-	1	1
55.1017	Special Forces Officers	7	Government & Publi	7.2	National Security		-	-	1	1
55.1019	Military Officer Special and Tactical Operations Le	7	Government & Publi	7.2	National Security		-	-	1	1
55.2011	First-Line Supervisors of Air Crew Members	7	Government & Publi	7.2	National Security		-	-	1	1
55.2012	First-Line Supervisors of Weapons Specialists/Cre	7	Government & Publi	7.2	National Security		-	-	1	1
55.2013	First-Line Supervisors of All Other Tactical Operat	7	Government & Publi	7.2	National Security	1,2,5,7,10	-	-	1	1
55.3011	Air Crew Members	7	Government & Publi	7.2	National Security		-	-	1	1

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55.3012	Aircraft Launch and Recovery Specialists	7	Government & Public Safety	7.2	National Security			-	1	1
55.3013	Armored Assault Vehicle Crew Members	7	Government & Public Safety	7.2	National Security			-	1	1
55.3014	Artillery and Missile Crew Members	7	Government & Public Safety	7.2	National Security			-	1	1
55.3015	Command and Control Center Specialists	7	Government & Public Safety	7.2	National Security			-	1	1
55.3016	Infantry	7	Government & Public Safety	7.2	National Security			-	1	1
55.3017	Radar and Sonar Technicians	7	Government & Public Safety	7.2	National Security			-	1	1
55.3018	Special Forces	7	Government & Public Safety	7.2	National Security			-	1	1
55.3019	Military Enlisted Tactical Operations and Air/Weapons	7	Government & Public Safety	7.2	National Security			-	1	1
15.1121	Computer Systems Analysts	11	Information Technology	11.4	Development	5,9		-	4	1
15.1122	Information Security Analysts	11	Information Technology	11.1	Network Systems			-	4	1
15.1131	Computer Programmers	11	Information Technology	11.4	Development	9		-	4	1
15.1132	Software Developers, Applications	11	Information Technology	11.4	Development	5,9		-	4	1
15.1133	Software Developers, Systems Software	11	Information Technology	11.4	Development	9		-	4	1
15.1134	Web Developers	11	Information Technology	11.3	Web and Digital Communications			-	4	1
15.1141	Database Administrators	11	Information Technology	11.1	Network Systems			-	4	1
15.1142	Network and Computer Systems Administrators	11	Information Technology	11.1	Network Systems	5,9		-	4	1
15.1143	Computer Network Architects	11	Information Technology	11.1	Network Systems			-	4	1
15.1151	Computer User Support Specialists	11	Information Technology	11.2	Information Support and Services	5,9		-	4	1
15.1152	Computer Network Support Specialists	11	Information Technology	11.1	Network Systems	5,9		-	4	1
15.1199	Computer Occupations, All Other	11	Information Technology	11.2	Information Support and Services			-	4	1
11.2011	Advertising and Promotions Managers	14	Marketing	14.1	Marketing Management			-	3	1
13.1161	Market Research Analysts and Marketing Specialists	14	Marketing	14.5	Marketing Research	5		-	3	1
41.9012	Models	14	Marketing	14.3	Merchandising			-	3	1

Occupation Code (SOC)	Occupational Title	2008 Estimated Employment	2018 Projected Employment	Total 2008-2018 Employment Change	Annual Avg. Percent Change	Total Percent Change
53.7031	Dredge Oprs	***	***	***	***	***
53.4041	Subway & Streetcar Oprs	***	***	***	***	***
53.4012	Locomotive Firers	***	***	***	***	***
51.7031	Model Makers, Wood	***	***	***	***	***
49.9093	Fabric Menders	***	***	***	***	***
47.4091	Segmental Pavers	***	***	***	***	***
47.2072	Pile-Driver Oprs	***	***	***	***	***
45.4029	Logging Workers, All Other	***	***	***	***	***
45.1012	Farm Labor Contractors	***	***	***	***	***
39.5091	Makeup Artists, Theatrical & Performance	***	***	***	***	***
39.3019	Gaming Service Workers, All Other	***	***	***	***	***
33.2022	Forest Fire Inspectors & Prevention Specialists	***	***	***	***	***
19.3094	Political Scientists	***	***	***	***	***
19.3032	Industrial-Organizational Psychologists	***	***	***	***	***
19.1011	Animal Scientists	***	***	***	***	***
17.3021	Aerospace Engineering & Operations Technicians	***	***	***	***	***
15.2099	Mathematical Scientists, Other	***	***	***	***	***
15.2091	Mathematical Technicians	***	***	***	***	***
15.2021	Mathematicians	***	***	***	***	***
11.9071	Gaming Managers	***	***	***	***	***
33.9031	Gaming Surveillance Officers & Gaming Investigators	250	1,120	870	16.20%	348.00%
39.1011	Gaming Supervisors	140	570	430	15.10%	307.10%
39.1012	Slot Key Persons	150	530	380	13.50%	253.30%
41.2012	Gaming Change Persons & Booth Cashiers	250	770	520	11.90%	208.00%
39.3012	Gaming & Sports Book Writers & Runners	450	1,020	570	8.50%	126.70%
39.3092	Costume Attendants	90	200	110	8.30%	122.20%
39.3099	Entertainment Attendants & Related Workers, All Other	920	1,700	780	6.30%	84.80%
39.3093	Locker Room, Coatroom, & Dressing Room Attendants	860	1,460	600	5.40%	69.80%
43.3041	Gaming Cage Workers	730	1,160	430	4.70%	58.90%
15.1081	Network Systems & Data Communications Analysts	7,530	10,450	2,920	3.30%	38.80%
39.5094	Skin Care Specialists	2,350	3,220	870	3.20%	37.00%
39.5092	Manicurists & Pedicurists	2,970	3,910	940	2.80%	31.70%
29.2052	Pharmacy Technicians	15,010	19,500	4,490	2.70%	29.90%
39.9012	Child Care Workers, Private Household	3,050	3,870	820	2.40%	26.90%
37.2102	Housekeepers & Butlers, Private Household	1,040	1,320	280	2.40%	26.90%
37.2101	Cleaners & Servants, Private Household	3,850	4,880	1,030	2.40%	26.80%
15.1031	Computer Software Engineers, Applications	13,500	16,820	3,320	2.20%	24.60%
39.9099	Personal Care & Service Workers, Other	4,170	5,160	990	2.20%	23.70%
35.2013	Cooks, Private Household	970	1,200	230	2.20%	23.70%
31.9092	Medical Assistants	23,390	28,770	5,380	2.10%	23.00%
47.5051	Rock Splitters, Quarry	660	810	150	2.10%	22.70%
31.1011	Home Health Aides	54,110	66,380	12,270	2.10%	22.70%
39.9021	Personal & Home Care Aides	37,190	45,570	8,380	2.10%	22.50%
29.2056	Veterinary Technologists & Technicians	3,110	3,790	680	2.00%	21.90%
39.3	Entertainment Attendants & Related Workers	18,820	22,710	3,890	1.90%	20.70%

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31.2021	Physical Therapist Assistants	3,990	4,790	800	1.80%	20.10%
53.4031	Railroad Conductors & Yardmasters	1,880	2,240	360	1.80%	19.20%
29.1124	Radiation Therapists	910	1,080	170	1.70%	18.70%
29.2031	Cardiovascular Technologists & Technicians	3,030	3,590	560	1.70%	18.50%
29.1051	Pharmacists	11,690	13,850	2,160	1.70%	18.50%
29.1071	Physician Assistants	3,750	4,440	690	1.70%	18.40%
21.1011	Substance Abuse & Behavioral Disorder Counselors	6,500	7,680	1,180	1.70%	18.20%
19.4092	Forensic Science Technicians	550	650	100	1.70%	18.20%
21.1093	Social & Human Service Assistants	20,610	24,330	3,720	1.70%	18.10%
11.9011.	Farm, Ranch, & Other Agricultural Managers	14,350	16,930	2,580	1.70%	18.00%
39.1	Supervisors, Personal Care & Service Workers	5,830	6,870	1,040	1.70%	17.80%
31.2011	Occupational Therapist Assistants	1,970	2,320	350	1.60%	17.80%
31.2	Occupational & Physical Therapist Assistants & Aides	8,490	10,000	1,510	1.70%	17.80%
29.1131	Veterinarians	2,700	3,180	480	1.70%	17.80%
29.2055	Surgical Technologists	3,760	4,420	660	1.60%	17.60%
53.1011	Aircraft Cargo Handling Supervisors	230	270	40	1.60%	17.40%
25.1191	Graduate Teaching Assistants	1,270	1,490	220	1.60%	17.30%
25.1031	Architecture Teachers, Postsecondary	290	340	50	1.60%	17.20%
25.1063	Economics Teachers, Postsecondary	820	960	140	1.60%	17.10%
25.1061	Anthropology & Archeology Teachers, Postsecondary	410	480	70	1.60%	17.10%
25.1053	Environmental Science Teachers, Postsecondary	410	480	70	1.60%	17.10%
25.1113	Social Work Teachers, Postsecondary	590	690	100	1.60%	17.00%
25.1052	Chemistry Teachers, Postsecondary	1,180	1,380	200	1.60%	17.00%
29.1126	Respiratory Therapists	4,680	5,460	780	1.60%	16.70%
25.1111	Criminal Justice & Law Enforcement Teachers, Postsec.	540	630	90	1.60%	16.70%
25.1064	Geography Teachers, Postsecondary	360	420	60	1.60%	16.70%
29.1123	Physical Therapists	9,620	11,220	1,600	1.60%	16.60%
29.2021	Dental Hygienists	7,330	8,540	1,210	1.50%	16.50%
31.9091	Dental Assistants	11,290	13,120	1,830	1.50%	16.20%
29.1111	Registered Nurses	135,410	157,300	21,890	1.50%	16.20%
25.1193	Recreation & Fitness Teachers, Postsecondary	1,050	1,220	170	1.50%	16.20%
25.1081	Education Teachers, Postsecondary	3,590	4,170	580	1.50%	16.20%
25.1071	Health Specialties Teachers, Postsecondary	6,610	7,680	1,070	1.50%	16.20%
25.1066	Psychology Teachers, Postsecondary	1,910	2,220	310	1.50%	16.20%
25.1051	Atmosph., Earth, Marine & Space Sciences Teachers, Postsec.	680	790	110	1.50%	16.20%
25.1032	Engineering Teachers, Postsecondary	2,410	2,800	390	1.50%	16.20%
25.1124	Foreign Language & Literature Teachers, Postsecondary	1,550	1,800	250	1.50%	16.10%
25.1112	Law Teachers, Postsecondary	310	360	50	1.50%	16.10%
21.1023	Mental Health & Substance Abuse Social Workers	8,870	10,300	1,430	1.50%	16.10%
49.3093	Tire Repairers & Changers	2,880	3,340	460	1.50%	16.00%
33.3021	Detectives & Criminal Investigators	3,070	3,560	490	1.50%	16.00%
25.1192	Home Economics Teachers, Postsecondary	500	580	80	1.50%	16.00%
25.1123	English Language & Literature Teachers, Postsecondary	3,820	4,430	610	1.50%	16.00%
25.1042	Biological Science Teachers, Postsecondary	3,630	4,210	580	1.50%	16.00%
25.1022	Mathematical Science Teachers, Postsecondary	2,880	3,340	460	1.50%	16.00%

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53.4011	Locomotive Engineers	2,140	2,480	340	1.50%	15.90%
39.2011	Animal Trainers	880	1,020	140	1.50%	15.90%
31.9011	Massage Therapists	2,410	2,790	380	1.50%	15.80%
25.1065	Political Science Teachers, Postsecondary	950	1,100	150	1.50%	15.80%
25.1199	Postsecondary Teachers, Other	3,310	3,830	520	1.50%	15.70%
25.1067	Sociology Teachers, Postsecondary	1,210	1,400	190	1.50%	15.70%
25.1054	Physics Teachers, Postsecondary	830	960	130	1.50%	15.70%
25.1011	Business Teachers, Postsecondary	4,320	5,000	680	1.50%	15.70%
17.2031	Biomedical Engineers	1,210	1,400	190	1.50%	15.70%
25.1125.	History Teachers, Postsecondary	1,350	1,560	210	1.50%	15.60%
25.1122	Communications Teachers, Postsecondary	1,540	1,780	240	1.50%	15.60%
25.1062	Area, Ethnic, & Cultural Teachers, Postsecondary	450	520	70	1.50%	15.60%
25.1043	Forestry & Conservation Science Teachers, Postsec.	320	370	50	1.50%	15.60%
49.9062	Medical Equipment Repairers	2,520	2,910	390	1.40%	15.50%
25.1121	Art, Drama, & Music Teachers, Postsecondary	3,990	4,610	620	1.50%	15.50%
25.1041	Agricultural Sciences Teachers, Postsecondary	460	530	70	1.40%	15.20%
25.1	Postsecondary Teachers	67,700	77,990	10,290	1.40%	15.20%
21.1091	Health Educators	2,430	2,800	370	1.40%	15.20%
25.1072	Nursing Instructors & Teachers, Postsecondary	2,910	3,350	440	1.40%	15.10%
15.1032	Computer Software Engineers, Systems Software	9,900	11,390	1,490	1.40%	15.10%
31	Healthcare Support Occupations	201,490	231,300	29,810	1.40%	14.80%
39	Personal Care & Service Occupations	204,630	234,790	30,160	1.40%	14.70%
33.3012	Correctional Officers & Jailers	17,710	20,320	2,610	1.40%	14.70%
31.9	Other Healthcare Support Occupations	55,400	63,560	8,160	1.40%	14.70%
25.1021	Computer Science Teachers, Postsecondary	2,320	2,660	340	1.40%	14.70%
39.9	Other Personal Care & Service Workers	114,750	131,460	16,710	1.40%	14.60%
39.5	Personal Appearance Workers	48,020	55,010	6,990	1.40%	14.60%
31.1	Nursing, Psychiatric, & Home Health Aides	137,610	157,740	20,130	1.40%	14.60%
29.1122	Occupational Therapists	6,240	7,150	910	1.40%	14.60%
31.2022	Physical Therapist Aides	1,930	2,210	280	1.40%	14.50%
21.1014	Mental Health Counselors	14,920	17,090	2,170	1.40%	14.50%
27.4032	Film & Video Editors	350	400	50	1.30%	14.30%
19.3092	Geographers	70	80	10	1.30%	14.30%
29.9091	Athletic Trainers	1,060	1,210	150	1.30%	14.20%
15.1051	Computer Systems Analysts	22,840	26,070	3,230	1.30%	14.10%
39.5093	Shampooers	1,240	1,410	170	1.30%	13.70%
25.1082	Library Science Teachers, Postsecondary	220	250	30	1.30%	13.60%
13.2051	Financial Analysts	10,360	11,770	1,410	1.30%	13.60%
45.2092	Farmworkers & Laborers - Crop, Nursery, & Greenhouse	34,910	39,630	4,720	1.30%	13.50%
29.1	Health Diagnosing & Treating Practitioners	228,230	259,070	30,840	1.30%	13.50%
39.5012	Hairdressers, Hairstylists, & Cosmetologists	37,140	42,110	4,970	1.30%	13.40%
27.1014	Multi-Media Artists & Animators	1,790	2,030	240	1.30%	13.40%
19.1042	Medical Scientists	8,280	9,390	1,110	1.30%	13.40%
19.1041	Epidemiologists	150	170	20	1.30%	13.30%
23.2011	Paralegals & Legal Assistants	9,200	10,410	1,210	1.20%	13.20%

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53.2021	Air Traffic Controllers	610	690	80	1.20%	13.10%
31.2012	Occupational Therapist Aides	610	690	80	1.20%	13.10%
13.1081	Logisticians	5,070	5,730	660	1.20%	13.00%
41.3099	Sales Representatives, Services, All Other	12,440	14,050	1,610	1.20%	12.90%
33.1099	Supervisors - Other Protective Service Workers	1,470	1,660	190	1.20%	12.90%
15.1061	Database Administrators	4,800	5,420	620	1.20%	12.90%
45.2093	Farmworkers - Farm & Ranch Animals	5,710	6,440	730	1.20%	12.80%
27.3091	Interpreters & Translators	780	880	100	1.20%	12.80%
17.2112	Industrial Engineers	9,650	10,880	1,230	1.20%	12.80%
45.2	Agricultural Workers	46,420	52,330	5,910	1.20%	12.70%
39.9011	Child Care Workers	44,140	49,710	5,570	1.20%	12.60%
27.4011	Audio & Video Equipment Technicians	1,590	1,790	200	1.20%	12.60%
15.1071	Network & Computer Systems Administrators	14,970	16,850	1,880	1.20%	12.60%
51.3092	Food Batchmakers	7,040	7,920	880	1.20%	12.50%
25.1069	Social Sciences Teachers, Postsecondary, All Other	80	90	10	1.20%	12.50%
45	Farming, Fishing, & Forestry Occupations	50,090	56,280	6,190	1.20%	12.40%
13.1199	Business Operations Specialists, Other	20,170	22,660	2,490	1.20%	12.40%
51.2011	Aircraft Structure, Surfaces, Rigging, & Systems Assemblers	650	730	80	1.20%	12.30%
39.2	Animal Care & Service Workers	7,910	8,880	970	1.20%	12.30%
53.6051	Transportation Inspectors	820	920	100	1.20%	12.20%
43.3011	Bill & Account Collectors	17,520	19,660	2,140	1.20%	12.20%
29	Healthcare Practitioners & Technical Occupations	370,940	416,240	45,300	1.20%	12.20%
53.7073	Wellhead Pumpers	420	470	50	1.10%	11.90%
53.5021	Captains, Mates & Pilots of Water Vessels	670	750	80	1.10%	11.90%
39.3091	Amusement & Recreation Attendants	10,290	11,510	1,220	1.10%	11.90%
39.2021	Non-farm Animal Caretakers	7,030	7,860	830	1.10%	11.80%
47.5071	Roustabouts, Oil & Gas	1,450	1,620	170	1.10%	11.70%
19.1021	Biochemists & Biophysicists	2,220	2,480	260	1.10%	11.70%
51.3091	Food & Tobacco Roasting, Baking & Drying Machine Oprs	610	680	70	1.10%	11.50%
41.2021	Counter & Rental Clerks	17,240	19,230	1,990	1.10%	11.50%
23.2091	Court Reporters	700	780	80	1.10%	11.40%
19.1099	Life Scientists, Other	350	390	40	1.10%	11.40%
43.4051	Customer Service Representatives	100,840	112,250	11,410	1.10%	11.30%
45.1011	Supervisors - Farming, Fishing & Forestry Workers	2,230	2,480	250	1.10%	11.20%
45.1	Supervisors, Farming, Fishing, & Forestry Workers	2,260	2,510	250	1.10%	11.10%
19.1	Life Scientists	13,580	15,070	1,490	1.00%	11.00%
29.1064	Obstetricians & Gynecologists	640	710	70	1.00%	10.90%
35.9011	Dining Room & Cafeteria Attendants & Bartender Helpers	15,980	17,700	1,720	1.00%	10.80%
35.3011	Bartenders	30,220	33,470	3,250	1.00%	10.80%
45.2091	Agricultural Equipment Oprs	3,370	3,730	360	1.00%	10.70%
41.9099	Sales & Related Workers, Other	2,830	3,130	300	1.00%	10.60%
29.1061	Anesthesiologists	1,700	1,880	180	1.00%	10.60%
53.5022	Motorboat Oprs	190	210	20	1.00%	10.50%
49.2098	Security & Fire Alarm Systems Installers	2,470	2,730	260	1.00%	10.50%
21.1	Counselors, Social Workers, & Other Social Services	112,770	124,590	11,820	1.00%	10.50%

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49.9094	Locksmiths & Safe Repairers	770	850	80	1.00%	10.40%
29.2032	Diagnostic Medical Sonographers	2,220	2,450	230	1.00%	10.40%
29.2	Health Technologists & Technicians	134,180	148,180	14,000	1.00%	10.40%
25.1126	Philosophy & Religion Teachers, Postsecondary	2,590	2,860	270	1.00%	10.40%
35.3021	Combined Food Preparation & Serving Workers	126,380	139,390	13,010	1.00%	10.30%
27.2023	Umpires, Referees, & Other Sports Officials	580	640	60	1.00%	10.30%
29.2051	Dietetic Technicians	1,080	1,190	110	1.00%	10.20%
19.3039	Psychologists, All Other	490	540	50	1.00%	10.20%
17.2011	Aerospace Engineers	1,280	1,410	130	1.00%	10.20%
39.9031	Fitness Trainers & Aerobics Instructors	11,310	12,450	1,140	1.00%	10.10%
21.1099	Community & Social Service Specialists, All Other	2,180	2,400	220	1.00%	10.10%
47.4061	Rail-Track Laying & Maintenance Equipment Oprs	500	550	50	1.00%	10.00%
45.2021	Animal Breeders	200	220	20	1.00%	10.00%
17.2081	Environmental Engineers	2,910	3,200	290	1.00%	10.00%
47.4011	Construction & Building Inspectors	5,690	6,250	560	0.90%	9.80%
35.2021	Food Preparation Workers	35,480	38,940	3,460	0.90%	9.80%
11.9021	Construction Managers	10,270	11,280	1,010	0.90%	9.80%
31.1012	Nursing Aides, Orderlies, & Attendants	80,590	88,440	7,850	0.90%	9.70%
25.1194	Vocational Education Teachers, Postsecondary	6,080	6,670	590	0.90%	9.70%
19.1012	Food Scientists & Technologists	310	340	30	0.90%	9.70%
45.4011	Forest & Conservation Workers	520	570	50	0.90%	9.60%
53.4	Rail Transportation Workers	5,450	5,970	520	0.90%	9.50%
49.2091	Avionics Technicians	320	350	30	0.90%	9.40%
43.4081	Hotel, Motel & Resort Desk Clerks	6,500	7,110	610	0.90%	9.40%
35.3041	Food Servers, Non-restaurant	11,320	12,380	1,060	0.90%	9.40%
35.2014	Cooks, Restaurant	34,440	37,690	3,250	0.90%	9.40%
27.3031	Public Relations Specialists	10,130	11,080	950	0.90%	9.40%
25.4012	Curators	430	470	40	0.90%	9.30%
19.4021	Biological Technicians	3,220	3,520	300	0.90%	9.30%
33.9092	Lifeguards, Ski Patrol, & Other Protective Service Workers	5,560	6,070	510	0.90%	9.20%
29.2071	Medical Records & Health Information Technicians	7,860	8,580	720	0.90%	9.20%
35.3	Food & Beverage Serving Workers	280,310	305,930	25,620	0.90%	9.10%
29.1069	Physicians & Surgeons, Other	10,730	11,680	950	0.90%	8.90%
11.9121	Natural Sciences Managers	1,460	1,590	130	0.90%	8.90%
39.3031	Ushers, Lobby Attendants, & Ticket Takers	5,690	6,190	500	0.80%	8.80%
37.3011	Landscaping & Groundskeeping Workers	46,520	50,590	4,070	0.80%	8.80%
49.3011	Aircraft Mechanics & Service Technicians	3,120	3,390	270	0.80%	8.70%
21	Community & Social Services Occupations	128,760	139,910	11,150	0.80%	8.70%
13.2052	Personal Financial Advisors	9,090	9,880	790	0.80%	8.70%
11.911.1	Medical & Health Services Managers	14,220	15,450	1,230	0.80%	8.70%
27.1023	Floral Designers	3,240	3,520	280	0.80%	8.60%
25.2011	Preschool Teachers	15,650	17,000	1,350	0.80%	8.60%
17.1022	Surveyors	2,100	2,280	180	0.80%	8.60%
15.1	Computer Specialists	123,680	134,290	10,610	0.80%	8.60%
29.2034	Radiologic Technologists & Technicians	10,950	11,880	930	0.80%	8.50%

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53.5	Water Transportation Workers	1,320	1,430	110	0.80%	8.30%
45.2099	Agricultural Workers, All Other	970	1,050	80	0.80%	8.30%
37.3	Grounds Maintenance Workers	50,530	54,740	4,210	0.80%	8.30%
29.2012	Medical & Clinical Laboratory Technicians	10,450	11,320	870	0.80%	8.30%
27.1019	Artists & Related Workers, All Other	240	260	20	0.80%	8.30%
25.9031	Instructional Coordinators	5,040	5,460	420	0.80%	8.30%
15	Computer & Mathematical Occupations	128,470	139,160	10,690	0.80%	8.30%
35	Food Preparation & Serving Related Occupations	485,200	524,560	39,360	0.80%	8.10%
29.1199	Health Diagnosing & Treating Practitioners, Other	1,110	1,200	90	0.80%	8.10%
49.9041	Industrial Machinery Mechanics	16,240	17,540	1,300	0.80%	8.00%
39.4021	Funeral Attendants	1,750	1,890	140	0.80%	8.00%
39.4	Funeral Service Workers	1,880	2,030	150	0.80%	8.00%
13.1032	Insurance Appraisers, Auto Damage	880	950	70	0.80%	8.00%
51.6011	Laundry & Dry-Cleaning Workers	8,470	9,140	670	0.80%	7.90%
49.3042	Mobile Heavy Equipment Mechanics	5,670	6,120	450	0.80%	7.90%
33.3	Law Enforcement Workers	51,400	55,440	4,040	0.80%	7.90%
11.9033	Education Administrators, Postsecondary	6,450	6,960	510	0.80%	7.90%
35.9	Other Food Preparation & Serving Related Workers	54,070	58,310	4,240	0.80%	7.80%
29.2033	Nuclear Medicine Technologists	1,160	1,250	90	0.80%	7.80%
25.4013	Museum Technicians & Conservators	510	550	40	0.80%	7.80%
11.9061	Funeral Directors	1,660	1,790	130	0.80%	7.80%
53.2	Air Transportation Workers	3,000	3,230	230	0.70%	7.70%
47.2011	Boilermakers	390	420	30	0.70%	7.70%
39.4011	Embalmers	130	140	10	0.70%	7.70%
29.1011	Chiropractors	2,330	2,510	180	0.70%	7.70%
53.2011	Airline Pilots, Copilots, & Flight Engineers	1,580	1,700	120	0.70%	7.60%
33.9099	Protective Service Workers, Other	1,850	1,990	140	0.70%	7.60%
13.1011	Agents of Artists, Performers, & Athletes	530	570	40	0.70%	7.60%
35.3031	Waiters & Waitresses	97,160	104,460	7,300	0.70%	7.50%
39.6021	Tour Guides & Escorts	2,160	2,320	160	0.70%	7.40%
35.9031	Hosts & Hostesses - Restaurant, Lounge & Coffee Shop	14,820	15,910	1,090	0.70%	7.40%
33.9	Other Protective Service Workers	55,560	59,670	4,110	0.70%	7.40%
33	Protective Service Occupations	119,620	128,300	8,680	0.70%	7.30%
19.2042	Geoscientists	690	740	50	0.70%	7.30%
13.1079	HR, Training, & Labor Relations Specialists, All Other	9,790	10,500	710	0.70%	7.30%
27.2021	Athletes & Sports Competitors	1,250	1,340	90	0.70%	7.20%
21.1022	Medical & Public Health Social Workers	10,490	11,240	750	0.70%	7.20%
17.2051	Civil Engineers	12,150	13,030	880	0.70%	7.20%
39.6022	Travel Guides	280	300	20	0.70%	7.10%
31.9099	Healthcare Support Workers, Other	6,590	7,060	470	0.70%	7.10%
17.1021	Cartographers & Photogrammetrists	280	300	20	0.70%	7.10%
47.5013	Service Unit Oprs, Oil, Gas, & Mining	860	920	60	0.70%	7.00%
25.2041	Special Education Teachers, Pre/Kindergarten/Elementary	11,690	12,510	820	0.70%	7.00%
13.1051	Cost Estimators	11,080	11,860	780	0.70%	7.00%
53.2022	Airfield Operations Specialists	290	310	20	0.70%	6.90%

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51.3022	Meat, Poultry & Fish Cutters & Trimmers	3,060	3,270	210	0.70%	6.90%
43.4061	Eligibility Interviewers, Government Programs	4,360	4,660	300	0.70%	6.90%
33.9021	Private Detectives & Investigators	3,610	3,860	250	0.70%	6.90%
27.2011	Actors	720	770	50	0.70%	6.90%
19.2041	Environmental Scientists & Specialists	1,890	2,020	130	0.70%	6.90%
47.5	Extraction Workers	8,280	8,840	560	0.70%	6.80%
43.6013	Medical Secretaries	20,370	21,750	1,380	0.70%	6.80%
33.9032	Security Guards	38,990	41,640	2,650	0.70%	6.80%
31.9093	Medical Equipment Preparers	1,770	1,890	120	0.70%	6.80%
29.2099	Health Technologists & Technicians, All Other	2,340	2,500	160	0.70%	6.80%
29.2011	Medical & Clinical Laboratory Technologists	9,030	9,640	610	0.70%	6.80%
27.4099	Media & Communication Equipment Workers, Other	440	470	30	0.70%	6.80%
11.9031	Education Administrators, Preschool & Child Care Center	2,490	2,660	170	0.70%	6.80%
33.9011	Animal Control Workers	300	320	20	0.60%	6.70%
19.3041	Sociologists	150	160	10	0.60%	6.70%
35.3022	Counter Attendants - Cafeteria, Food Concession, Coffee Shop	15,230	16,230	1,000	0.60%	6.60%
45.4022	Logging Equipment Oprs	460	490	30	0.60%	6.50%
35.2	Cooks & Food Preparation Workers	114,860	122,340	7,480	0.60%	6.50%
17.3025	Environmental Engineering Technicians	1,550	1,650	100	0.60%	6.50%
11.9081	Lodging Managers	1,840	1,960	120	0.60%	6.50%
29.9099	Healthcare Practitioner & Technical Workers, Other	4,510	4,800	290	0.60%	6.40%
27.1027	Set & Exhibit Designers	470	500	30	0.60%	6.40%
21.1015	Rehabilitation Counselors	7,870	8,370	500	0.60%	6.40%
19.3031	Clinical, Counseling, & School Psychologists	6,300	6,700	400	0.60%	6.40%
53.3032	Truck Drivers, Heavy & Tractor-Trailer	77,960	82,860	4,900	0.60%	6.30%
21.1019	Counselors, All Other	480	510	30	0.60%	6.30%
17.217.1	Petroleum Engineers	160	170	10	0.60%	6.30%
53.3041	Taxi Drivers & Chauffeurs	10,320	10,960	640	0.60%	6.20%
35.9021	Dishwashers	22,230	23,600	1,370	0.60%	6.20%
15.2011	Actuaries	1,130	1,200	70	0.60%	6.20%
51.3011	Bakers	9,390	9,960	570	0.60%	6.10%
39.9041	Residential Advisors	4,610	4,890	280	0.60%	6.10%
19	Life, Physical, & Social Science Occupations	60,960	64,680	3,720	0.60%	6.10%
13.1121	Meeting & Convention Planners	2,120	2,250	130	0.60%	6.10%
11.9151	Social & Community Service Managers	7,600	8,060	460	0.60%	6.10%
43.4171	Receptionists & Information Clerks	52,830	55,980	3,150	0.60%	6.00%
37.2012	Maids & Housekeeping Cleaners	37,500	39,740	2,240	0.60%	6.00%
37.1012	Supervisors - Landscaping & Groundskeeping Workers	5,970	6,330	360	0.60%	6.00%
19.4091	Environmental Science & Protection Technicians	1,330	1,410	80	0.60%	6.00%
19.1022	Microbiologists	500	530	30	0.60%	6.00%
13.1073	Training & Development Specialists	9,470	10,040	570	0.60%	6.00%
53.5031	Ship Engineers	170	180	10	0.60%	5.90%
53.2012	Commercial Pilots	510	540	30	0.60%	5.90%
19.2043	Hydrologists	170	180	10	0.60%	5.90%
15.1011	Computer & Information Scientists, Research	1,180	1,250	70	0.60%	5.90%

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35.9099	Food Preparation & Serving Related Workers, Other	1,040	1,100	60	0.60%	5.80%
51.3	Food Processing Workers	31,090	32,850	1,760	0.60%	5.70%
43.4111	Interviewers	6,530	6,900	370	0.60%	5.70%
41.9011	Demonstrators & Product Promoters	3,360	3,550	190	0.60%	5.70%
35.1012	Supervisors - Food Preparation & Serving Workers	31,760	33,580	1,820	0.60%	5.70%
29.2061	Licensed Practical & Licensed Vocational Nurses	38,800	41,000	2,200	0.60%	5.70%
25.4011	Archivists	350	370	20	0.60%	5.70%
19.4099	Life, Physical, & Social Science Technicians, Other	1,060	1,120	60	0.60%	5.70%
49.9091	Coin, Vending, & Amusement Machine Servicers & Repairers	1,980	2,090	110	0.50%	5.60%
35.1	Supervisors, Food Preparation & Serving Workers	35,970	37,970	2,000	0.50%	5.60%
13.1072	Compensation, Benefits & Job Analysis Specialists	5,320	5,620	300	0.60%	5.60%
27.4031	Camera Oprs - TV, Video, & Motion Picture	550	580	30	0.50%	5.50%
27.1026	Merchandise Displayers & Window Trimmers	2,710	2,860	150	0.50%	5.50%
39.6	Transportation, Tourism, & Lodging Attendants	7,440	7,840	400	0.50%	5.40%
33.1011	Supervisors - Correctional Officers	560	590	30	0.50%	5.40%
29.9	Other Healthcare Practitioners & Technical Occupations	8,530	8,990	460	0.50%	5.40%
19.4	Life, Physical, & Social Science Technicians	12,470	13,140	670	0.50%	5.40%
37	Building & Grounds Cleaning & Maintenance Occupations	214,970	226,260	11,290	0.50%	5.30%
29.2053	Psychiatric Technicians	1,140	1,200	60	0.50%	5.30%
23.2	Legal Support Workers	15,960	16,810	850	0.50%	5.30%
21.1092	Probation Officers & Correctional Treatment Specialists	4,320	4,550	230	0.50%	5.30%
21.1021	Child, Family, & School Social Workers	18,560	19,540	980	0.50%	5.30%
19.4061	Social Science Research Assistants	190	200	10	0.50%	5.30%
19.3093	Historians	190	200	10	0.50%	5.30%
13.1061	Emergency Management Specialists	750	790	40	0.50%	5.30%
11.9	Other Management Occupations	133,780	140,930	7,150	0.50%	5.30%
47.2044	Tile & Marble Setters	1,550	1,630	80	0.50%	5.20%
41.3011	Advertising Sales Agents	7,710	8,110	400	0.50%	5.20%
51.8031	Water & Liquid Waste Treatment Plant & System Oprs	7,280	7,650	370	0.50%	5.10%
39.6012	Concierges	390	410	20	0.50%	5.10%
29.1066	Psychiatrists	1,770	1,860	90	0.50%	5.10%
21.1029	Social Workers, All Other	990	1,040	50	0.50%	5.10%
17.2061	Computer Hardware Engineers	1,380	1,450	70	0.50%	5.10%
53.3099	Motor Vehicle Oprs, Other	1,390	1,460	70	0.50%	5.00%
47.2141	Painters, Construction, & Maintenance	10,050	10,550	500	0.50%	5.00%
37.1	Supervisors, Building & Grounds Workers	14,910	15,660	750	0.50%	5.00%
29.1129.	Therapists, All Other	1,190	1,250	60	0.50%	5.00%
19.4041	Geological & Petroleum Technicians	200	210	10	0.50%	5.00%
13.2011	Accountants & Auditors	55,770	58,530	2,760	0.50%	5.00%
11.3042	Training & Development Managers	1,010	1,060	50	0.50%	5.00%
11.2031	Public Relations Managers	2,020	2,120	100	0.50%	5.00%
33.3041	Parking Enforcement Workers	630	660	30	0.50%	4.80%
33.1	First-Line Supervisors of Protective Service Workers	7,050	7,390	340	0.50%	4.80%
25.9099	Education, Training, & Library Workers, All Other	1,680	1,760	80	0.50%	4.80%
23.2099	Legal Support Workers, Other	630	660	30	0.50%	4.80%

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19.3021	Market Research Analysts	13,400	14,040	640	0.50%	4.80%
47.5042	Mine Cutting & Channeling Machine Oprs	640	670	30	0.50%	4.70%
47.5012	Rotary Drill Oprs, Oil & Gas	1,070	1,120	50	0.50%	4.70%
21.1013	Marriage & Family Therapists	1,060	1,110	50	0.50%	4.70%
53.6031	Service Station Attendants	2,190	2,290	100	0.40%	4.60%
19.3	Social Scientists & Related Workers	25,930	27,120	1,190	0.50%	4.60%
13.2081	Tax Examiners, Collectors & Revenue Agents	5,020	5,250	230	0.40%	4.60%
47.4	Other Construction & Related Workers	20,380	21,290	910	0.40%	4.50%
25.2042	Special Education Teachers, Middle School	5,560	5,810	250	0.40%	4.50%
17.1	Architects, Surveyors, & Cartographers	8,600	8,990	390	0.40%	4.50%
53.7033	Loading Machine Oprs, Underground Mining	230	240	10	0.40%	4.40%
53.7032	Excavating & Loading Machine & Dragline Oprs	2,990	3,120	130	0.40%	4.40%
39.6031	Flight Attendants	2,530	2,640	110	0.40%	4.40%
37.1011	Supervisors - Housekeeping & Janitorial Workers	8,940	9,330	390	0.40%	4.40%
19.3091	Anthropologists & Archeologists	230	240	10	0.40%	4.40%
19.1013	Soil & Plant Scientists	230	240	10	0.40%	4.40%
39.6011	Baggage Porters & Bellhops	1,400	1,460	60	0.40%	4.30%
39.1021	Supervisors, Personal Service Workers	5,530	5,770	240	0.40%	4.30%
37.3012	Pesticide Handlers, Sprayers & Applicators, Vegetation	1,880	1,960	80	0.40%	4.30%
35.1011	Chefs & Head Cooks	4,210	4,390	180	0.40%	4.30%
27.2012	Producers & Directors	2,590	2,700	110	0.40%	4.30%
25.2012	Kindergarten Teachers	8,710	9,080	370	0.40%	4.30%
51.3023	Slaughterers & Meat Packers	3,580	3,730	150	0.40%	4.20%
49.2094	Elec. Repairers - Commercial & Industrial Equipment	4,730	4,930	200	0.40%	4.20%
37.2	Building Cleaning & Pest Control Workers	149,530	155,860	6,330	0.40%	4.20%
27.3042	Technical Writers	1,670	1,740	70	0.40%	4.20%
27.1029	Designers, All Other	240	250	10	0.40%	4.20%
19.2	Physical Scientists	8,980	9,360	380	0.40%	4.20%
51.8092	Gas Plant Oprs	1,210	1,260	50	0.40%	4.10%
43.5031	Police, Fire, & Ambulance Dispatchers	3,160	3,290	130	0.40%	4.10%
29.1065	Pediatricians, General	730	760	30	0.40%	4.10%
17.3031	Surveying & Mapping Technicians	1,720	1,790	70	0.40%	4.10%
53.7071	Gas Compressor & Gas Pumping Station Oprs	250	260	10	0.40%	4.00%
27.4014	Sound Engineering Technicians	500	520	20	0.40%	4.00%
27.1013	Fine Artists	500	520	20	0.40%	4.00%
23	Legal Occupations	47,310	49,210	1,900	0.40%	4.00%
13.2061	Financial Examiners	990	1,030	40	0.40%	4.00%
53.3022	Bus Drivers, School	26,250	27,270	1,020	0.40%	3.90%
41.2031	Retail Salespersons	206,300	214,410	8,110	0.40%	3.90%
29.2091	Orthotists & Prosthetists	260	270	10	0.40%	3.90%
19.3099	Social Scientists & Related Workers, Other	520	540	20	0.40%	3.90%
49.3031	Bus & Truck Mechanics & Diesel Engine Specialists	12,120	12,580	460	0.40%	3.80%
17.2041	Chemical Engineers	1,320	1,370	50	0.40%	3.80%
17.2	Engineers	59,640	61,910	2,270	0.40%	3.80%
11.9199	Managers, Other	15,510	16,100	590	0.40%	3.80%

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47.4051	Highway Maintenance Workers	9,570	9,920	350	0.40%	3.70%
37.2011	Janitors & Cleaners	109,170	113,200	4,030	0.40%	3.70%
31.9094	Medical Transcriptionists	5,620	5,830	210	0.40%	3.70%
11.3021	Computer & Information Systems Managers	9,260	9,600	340	0.40%	3.70%
53.3011	Ambulance Drivers & Attendants	1,100	1,140	40	0.40%	3.60%
43.4021	Correspondence Clerks	1,110	1,150	40	0.40%	3.60%
33.2	Fire Fighting & Prevention Workers	5,600	5,800	200	0.40%	3.60%
29.2041	Emergency Medical Technicians & Paramedics	13,480	13,970	490	0.40%	3.60%
23.1011	Lawyers	28,390	29,410	1,020	0.40%	3.60%
19.3051	Urban & Regional Planners	1,650	1,710	60	0.40%	3.60%
17.1012	Landscape Architects	830	860	30	0.40%	3.60%
41.3	Sales Representatives, Services	53,350	55,220	1,870	0.30%	3.50%
33.2021	Fire Inspectors & Investigators	290	300	10	0.30%	3.50%
53.1031	Supervisors - Trans. & Material-Moving Machine Oprs	9,210	9,520	310	0.30%	3.40%
49.3022	Automotive Glass Installers & Repairers	1,170	1,210	40	0.30%	3.40%
33.2011	Fire Fighters	5,310	5,490	180	0.30%	3.40%
33.1021	Supervisors - Fire Fighting & Prevention	1,190	1,230	40	0.30%	3.40%
23.1	Lawyers, Judges, & Related Workers	31,350	32,400	1,050	0.30%	3.40%
13.1	Business Operations Specialists	146,340	151,380	5,040	0.30%	3.40%
43.4161	Human Resources Assistants	9,060	9,360	300	0.30%	3.30%
19.4011	Agricultural & Food Science Technicians	610	630	20	0.30%	3.30%
11.3071	Transportation, Storage, & Distribution Managers	3,610	3,730	120	0.30%	3.30%
49.3	Vehicle & Mobile Equipment Mechanics, Installers	78,350	80,850	2,500	0.30%	3.20%
47.5021	Earth Drillers, except Oil & Gas	950	980	30	0.30%	3.20%
33.3051	Police & Sheriffs Patrol Officers	28,060	28,950	890	0.30%	3.20%
29.1041	Optometrists	1,560	1,610	50	0.30%	3.20%
25	Education, Training, & Library Occupations	378,520	390,470	11,950	0.30%	3.20%
19.2099	Physical Scientists, Other	310	320	10	0.30%	3.20%
19.2031	Chemists	5,070	5,230	160	0.30%	3.20%
19.1029	Biological Scientists, All Other	310	320	10	0.30%	3.20%
17.2111	Health & Safety Engineers	1,260	1,300	40	0.30%	3.20%
17.1011	Architects	5,390	5,560	170	0.30%	3.20%
13	Business & Financial Operations Occupations	259,860	268,240	8,380	0.30%	3.20%
47.2073	Operating Engineers & Other Construction Equipment Oprs	16,580	17,100	520	0.30%	3.10%
47.2061	Construction Laborers	39,010	40,230	1,220	0.30%	3.10%
29.1062	Family & General Practitioners	10,020	10,330	310	0.30%	3.10%
15.2041	Statisticians	1,310	1,350	40	0.30%	3.10%
49.3023	Automotive Service Technicians & Mechanics	39,150	40,330	1,180	0.30%	3.00%
47.5081	Helpers - Extraction Workers	1,010	1,040	30	0.30%	3.00%
47.5041	Continuous Mining Machine Oprs	660	680	20	0.30%	3.00%
29.1067	Surgeons	3,020	3,110	90	0.30%	3.00%
49.9069	Precision Instrument & Equipment Repairers, Other	680	700	20	0.30%	2.90%
47.3015	Helpers - Pipelayers, Plumbers, Pipefitters, & Steamfitters	2,050	2,110	60	0.30%	2.90%
39.6032	Transportation Attendants	680	700	20	0.30%	2.90%
29.1063	Internists, General	2,460	2,530	70	0.30%	2.90%

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27.2099	Entertainers, Performers, Sports, & Related Workers, Other	340	350	10	0.30%	2.90%
13.2	Financial Specialists	113,530	116,870	3,340	0.30%	2.90%
53.3	Motor Vehicle Operators	194,400	199,800	5,400	0.30%	2.80%
53.1	Supervisors, Transportation & Material Moving Workers	16,120	16,570	450	0.30%	2.80%
49.9099	Installation, Maintenance, & Repair Workers, Other	2,820	2,900	80	0.30%	2.80%
47.2151	Pipelayers	1,080	1,110	30	0.30%	2.80%
43.6012	Legal Secretaries	14,520	14,930	410	0.30%	2.80%
25.3021	Self-Enrichment Education Teachers	8,920	9,170	250	0.30%	2.80%
53.7121	Tank Car, Truck & Ship Loaders	370	380	10	0.30%	2.70%
51.9082	Medical Appliance Technicians	1,130	1,160	30	0.30%	2.70%
43.5011	Cargo & Freight Agents	2,640	2,710	70	0.30%	2.70%
39.9032	Recreation Workers	13,330	13,670	340	0.30%	2.60%
37.3013	Tree Trimmers & Pruners	1,560	1,600	40	0.30%	2.60%
29.9012	Occupational Health & Safety Technicians	380	390	10	0.30%	2.60%
19.4031	Chemical Technicians	4,620	4,740	120	0.30%	2.60%
11.9012	Farmers & Ranchers	29,250	30,010	760	0.30%	2.60%
53.3021	Bus Drivers, Transit & Intercity	14,850	15,220	370	0.20%	2.50%
47.2152	Plumbers, Pipefitters, & Steamfitters	15,030	15,410	380	0.30%	2.50%
27.1025	Interior Designers	2,030	2,080	50	0.20%	2.50%
11.3049	Human Resources Managers, All Other	1,610	1,650	40	0.20%	2.50%
47.1011	Supervisors - Construction Trades & Extraction Workers	20,060	20,550	490	0.20%	2.40%
47.1	Supervisors, Construction & Extraction Workers	20,060	20,550	490	0.20%	2.40%
43.3071	Tellers	30,870	31,600	730	0.20%	2.40%
17.3029	Engineering Technicians, Except Drafters, All Other	1,690	1,730	40	0.20%	2.40%
15.1099	Computer Specialists, Other	5,060	5,180	120	0.20%	2.40%
11.3011.	Administrative Services Managers	9,510	9,740	230	0.20%	2.40%
45.2011	Agricultural Inspectors	430	440	10	0.20%	2.30%
43.4031	Court, Municipal, & License Clerks	2,170	2,220	50	0.20%	2.30%
43.3031	Bookkeeping, Accounting, & Auditing Clerks	82,980	84,900	1,920	0.20%	2.30%
37.2019	Building Cleaning Workers, All Other	1,300	1,330	30	0.20%	2.30%
33.3052	Transit & Railroad Police	430	440	10	0.20%	2.30%
25.3	Other Teachers & Instructors	19,760	20,220	460	0.20%	2.30%
13.1041	Compliance Officers	7,410	7,580	170	0.20%	2.30%
51.8093	Petroleum Pump System Oprs, Refinery Oprs & Gaugers	1,830	1,870	40	0.20%	2.20%
47.5061	Roof Bolters, Mining	460	470	10	0.20%	2.20%
47.2071	Paving, Surfacing, & Tamping Equipment Oprs	2,280	2,330	50	0.20%	2.20%
43.6011	Executive Secretaries & Administrative Assistants	42,950	43,880	930	0.20%	2.20%
41.4011	Sales Representatives, Technical & Scientific Products	17,010	17,380	370	0.20%	2.20%
25.3099	Teachers & Instructors, All Other	8,060	8,240	180	0.20%	2.20%
11.9051	Food Service Managers	6,720	6,870	150	0.20%	2.20%
49.9021	Heating, A/C & Refrigeration Mechanics/Installers	14,570	14,870	300	0.20%	2.10%
45.4	Forest, Conservation, & Logging Workers	1,410	1,440	30	0.20%	2.10%
49.9044	Millwrights	1,530	1,560	30	0.20%	2.00%
43.4	Information & Record Clerks	233,770	238,350	4,580	0.20%	2.00%
33.3011	Bailiffs	510	520	10	0.20%	2.00%

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25.4031	Library Technicians	5,130	5,230	100	0.20%	2.00%
25.2021	Elementary School Teachers	81,880	83,520	1,640	0.20%	2.00%
23.1023	Judges, Magistrate Judges, & Magistrates	1,010	1,030	20	0.20%	2.00%
11.2021	Marketing Managers	5,530	5,640	110	0.20%	2.00%
49.9011	Mechanical Door Repairers	540	550	10	0.20%	1.90%
49	Installation, Maintenance, & Repair Occupations	251,740	256,410	4,670	0.20%	1.90%
47.2181	Roofers	5,200	5,300	100	0.20%	1.90%
43.9111	Statistical Assistants	1,050	1,070	20	0.20%	1.90%
37.2021	Pest Control Workers	1,560	1,590	30	0.20%	1.90%
27.1	Art & Design Workers	27,330	27,850	520	0.20%	1.90%
53.6	Other Transportation Workers	10,000	10,180	180	0.20%	1.80%
47.4031	Fence Erectors	1,110	1,130	20	0.20%	1.80%
43.3	Financial Clerks	168,910	171,920	3,010	0.20%	1.80%
33.1012	Supervisors - Police & Detectives	3,830	3,900	70	0.20%	1.80%
29.1127	Speech-Language Pathologists	4,540	4,620	80	0.20%	1.80%
13.2031	Budget Analysts	2,210	2,250	40	0.20%	1.80%
53.1021	Supervisors - Helpers, Laborers, & Material Movers	6,680	6,790	110	0.20%	1.70%
49.9	Other Installation, Maintenance, & Repair Occupations	135,340	137,610	2,270	0.20%	1.70%
49.3051	Motorboat Mechanics	580	590	10	0.20%	1.70%
37.3019	Grounds Maintenance Workers, All Other	580	590	10	0.20%	1.70%
15.2	Mathematical Scientists	4,790	4,870	80	0.20%	1.70%
47.3019	Helpers - Other Construction Trades	620	630	10	0.20%	1.60%
47	Construction & Extraction Occupations	265,770	270,100	4,330	0.20%	1.60%
43.9061	Office Clerks, General	163,680	166,250	2,570	0.20%	1.60%
41.4	Sales Representatives, Wholesale & Manufacturing	102,310	103,930	1,620	0.20%	1.60%
35.2011	Cooks, Fast Food	12,080	12,270	190	0.20%	1.60%
11.9039	Education Administrators, All Other	1,270	1,290	20	0.20%	1.60%
53.7081	Refuse & Recyclable Material Collectors	5,490	5,570	80	0.10%	1.50%
49.3053	Outdoor Power Equipment & Other Small Engine Mechanics	1,380	1,400	20	0.10%	1.50%
41.4012	Sales Representatives	85,300	86,550	1,250	0.10%	1.50%
23.1022	Arbitrators, Mediators, & Conciliators	690	700	10	0.10%	1.50%
19.2032	Materials Scientists	690	700	10	0.10%	1.50%
47.3012	Helpers - Carpenters	2,770	2,810	40	0.10%	1.40%
35.2012	Cooks, Institution & Cafeteria	19,320	19,590	270	0.10%	1.40%
51.9071	Jewelers & Precious Stone & Metal Workers	1,520	1,540	20	0.10%	1.30%
43.4121	Library Assistants, Clerical	6,130	6,210	80	0.10%	1.30%
17	Architecture & Engineering Occupations	101,910	103,280	1,370	0.10%	1.30%
47.2	Construction Trades Workers	206,590	208,980	2,390	0.10%	1.20%
21.1012	Educational, Vocational, & School Counselors	13,470	13,630	160	0.10%	1.20%
47.2031	Carpenters	55,080	55,670	590	0.10%	1.10%
35.2015	Cooks, Short Order	11,880	12,010	130	0.10%	1.10%
25.3011	Adult Literacy, Remedial Education, & GED Teachers	2,780	2,810	30	0.10%	1.10%
13.1031	Claims Adjusters, Examiners, & Investigators	15,900	16,070	170	0.10%	1.10%
17.2151	Mining & Geological Engineers	960	970	10	0.10%	1.00%
49.2022	Telecommunications Equipment Installers & Repairers	5,690	5,740	50	0.10%	0.90%

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49.9042	Maintenance & Repair Workers, General	65,710	66,250	540	0.10%	0.80%
41.2	Retail Sales Workers	391,050	394,280	3,230	0.10%	0.80%
27.1011	Art Directors	2,460	2,480	20	0.10%	0.80%
23.1021	Admin. Law Judges, Adjudicators, & Hearing Officers	1,260	1,270	10	0.10%	0.80%
11	Management Occupations	268,610	270,750	2,140	0.10%	0.80%
49.9098	Helpers - Installation, Maintenance & Repair Workers	6,740	6,790	50	0.10%	0.70%
47.2051	Cement Masons & Concrete Finishers	5,390	5,430	40	0.10%	0.70%
39.5011	Barbers	4,290	4,320	30	0.10%	0.70%
25.2	Primary, Secondary, & Special Education School Teachers	214,590	216,040	1,450	0.10%	0.70%
53.7061	Cleaners of Vehicles & Equipment	13,400	13,480	80	0.10%	0.60%
13.1111	Management Analysts	26,260	26,410	150	0.10%	0.60%
41.3021	Insurance Sales Agents	19,680	19,780	100	0.10%	0.50%
41.1011	Supervisors - Retail Sales Workers	48,270	48,530	260	0.10%	0.50%
27.2022	Coaches & Scouts	9,300	9,350	50	0.10%	0.50%
17.2199	Engineers, Other	2,180	2,190	10	0.00%	0.50%
15.1041	Computer Support Specialists	23,710	23,830	120	0.10%	0.50%
13.1071	Employment, Recruitment & Placement Specialists	10,370	10,420	50	0.00%	0.50%
49.2	Electrical & Electronic Equipment Mechanics	23,120	23,200	80	0.00%	0.40%
41	Sales & Related Occupations	654,070	656,960	2,890	0.00%	0.40%
29.9011	Occupational Health & Safety Specialists	2,580	2,590	10	0.00%	0.40%
27.4	Media & Communication Equipment Workers	9,350	9,390	40	0.00%	0.40%
25.4	Librarians, Curators, & Archivists	13,820	13,880	60	0.00%	0.40%
25.2022	Middle School Teachers	30,760	30,890	130	0.00%	0.40%
29.1031	Dietitians & Nutritionists	3,120	3,130	10	0.00%	0.30%
11.2	Advertising, Marketing, Public Relations, & Sales Mgrs	19,270	19,290	20	0.00%	0.10%
53.6041	Traffic Technicians	60	60	N/A	0.00%	0.00%
53.5011	Sailors & Marine Oilers	290	290	N/A	0.00%	0.00%
51.8011	Nuclear Power Reactor Oprs	350	350	N/A	0.00%	0.00%
51.6041	Shoe & Leather Workers & Repairers	220	220	N/A	0.00%	0.00%
51.3021	Butchers & Meat Cutters	5,560	5,560	N/A	0.00%	0.00%
49.9097	Signal & Track Switch Repairers	460	460	N/A	0.00%	0.00%
49.9063	Musical Instrument Repairers & Tuners	210	210	N/A	0.00%	0.00%
49.9051	Electrical Power-Line Installers & Repairers	4,640	4,640	N/A	0.00%	0.00%
49.3091	Bicycle Repairers	380	380	N/A	0.00%	0.00%
49.2096	Elec. Equipment Installers & Repairers, Motor Vehicles	680	680	N/A	0.00%	0.00%
49.2093	Elec. Installers & Repairers - Transportation Equipment	340	340	N/A	0.00%	0.00%
49.2021	Radio Mechanics	70	70	N/A	0.00%	0.00%
47.5099	Extraction Workers, Other	50	50	N/A	0.00%	0.00%
47.5049	Mining Machine Oprs, Other	130	130	N/A	0.00%	0.00%
47.5031	Explosives Workers, Ordnance Handling Experts & Blasters	240	240	N/A	0.00%	0.00%
47.5011	Derrick Oprs, Oil & Gas	110	110	N/A	0.00%	0.00%
47.2171	Reinforcing Iron & Rebar Workers	330	330	N/A	0.00%	0.00%
47.2161	Plasterers & Stucco Masons	630	630	N/A	0.00%	0.00%
47.2132	Insulation Workers, Mechanical	780	780	N/A	0.00%	0.00%
47.2111	Electricians	26,340	26,350	10	0.00%	0.00%

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47.2082	Tapers	950	950	N/A	0.00%	0.00%
47.2053	Terrazzo Workers & Finishers	60	60	N/A	0.00%	0.00%
45.4021	Fallers	210	210	N/A	0.00%	0.00%
45.2041	Graders & Sorters, Agricultural Products	820	820	N/A	0.00%	0.00%
43.2099	Communications Equipment Oprs, Other	160	160	N/A	0.00%	0.00%
33.3031	Fish & Game Wardens	990	990	N/A	0.00%	0.00%
31.1013	Psychiatric Aides	2,920	2,920	N/A	0.00%	0.00%
29.1081	Podiatrists	870	870	N/A	0.00%	0.00%
29.1029	Dentists, All Other Specialists	230	230	N/A	0.00%	0.00%
29.1022	Oral & Maxillofacial Surgeons	120	120	N/A	0.00%	0.00%
27.3099	Media & Communication Workers, Other	800	800	N/A	0.00%	0.00%
27.3012	Public Address System & Other Announcers	160	160	N/A	0.00%	0.00%
27.2031	Dancers	220	220	N/A	0.00%	0.00%
19.4093	Forest & Conservation Technicians	110	110	N/A	0.00%	0.00%
19.3011	Economists	380	380	N/A	0.00%	0.00%
19.2021	Atmospheric & Space Scientists	50	50	N/A	0.00%	0.00%
19.2012	Physicists	120	120	N/A	0.00%	0.00%
19.1031	Conservation Scientists	560	560	N/A	0.00%	0.00%
19.1023	Zoologists & Wildlife Biologists	170	170	N/A	0.00%	0.00%
17.3027	Mechanical Engineering Technicians	1,920	1,920	N/A	0.00%	0.00%
17.2161	Nuclear Engineers	2,200	2,200	N/A	0.00%	0.00%
17.2121	Marine Engineers & Naval Architects	140	140	N/A	0.00%	0.00%
17.2021	Agricultural Engineers	90	90	N/A	0.00%	0.00%
11.3041	Compensation & Benefits Managers	2,360	2,360	N/A	0.00%	0.00%
53.6021	Parking Lot Attendants	6,230	6,220	-10	0.00%	-0.20%
51.8	Plant & System Operators	17,300	17,260	-40	0.00%	-0.20%
11.3	Operations Specialties Managers	53,450	53,370	-80	0.00%	-0.20%
47.3	Helpers, Construction Trades	10,470	10,440	-30	0.00%	-0.30%
41.3041.	Travel Agents	3,630	3,620	-10	0.00%	-0.30%
27	Arts, Design, Entertainment, Sports, & Media Occupations	92,440	92,160	-280	0.00%	-0.30%
47.2081	Drywall & Ceiling Tile Installers	2,630	2,620	-10	0.00%	-0.40%
31.9096	Veterinary Assistants & Laboratory Animal Caretakers	2,590	2,580	-10	0.00%	-0.40%
25.9	Other Education, Training, & Library Occupations	62,650	62,360	-290	0.00%	-0.50%
11.3031	Financial Managers	17,090	17,000	-90	-0.10%	-0.50%
53.3033	Truck Drivers, Light or Delivery Services	43,210	42,970	-240	-0.10%	-0.60%
41.1	Supervisors, Sales Workers	62,890	62,510	-380	-0.10%	-0.60%
49.3043	Rail Car Repairers	1,400	1,390	-10	-0.10%	-0.70%
17.3022	Civil Engineering Technicians	2,940	2,920	-20	-0.10%	-0.70%
13.2099	Financial Specialists, Other	3,090	3,070	-20	-0.10%	-0.70%
51.8021	Stationary Engineers & Boiler Oprs	1,230	1,220	-10	-0.10%	-0.80%
47.4021	Elevator Installers & Repairers	1,190	1,180	-10	-0.10%	-0.80%
29.2081	Opticians, Dispensing	2,470	2,450	-20	-0.10%	-0.80%
17.3026	Industrial Engineering Technicians	4,010	3,980	-30	-0.10%	-0.80%
49.3041	Farm Equipment Mechanics	1,060	1,050	-10	-0.10%	-0.90%
47.4071	Septic Tank Servicers & Sewer Pipe Cleaners	1,180	1,170	-10	-0.10%	-0.90%

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29.1021	Dentists, General	4,700	4,660	-40	-0.10%	-0.90%
17.2072	Electronics Engineers	6,300	6,240	-60	-0.10%	-1.00%
13.2021	Appraisers & Assessors of Real Estate	1,970	1,950	-20	-0.10%	-1.00%
51.9083	Ophthalmic Laboratory Technicians	1,800	1,780	-20	-0.10%	-1.10%
49.1011	Supervisors - Mechanics, Installers, & Repairers	14,920	14,760	-160	-0.10%	-1.10%
49.1	Supervisors of Installation, Maintenance, & Repair Workers	14,920	14,760	-160	-0.10%	-1.10%
41.9031	Sales Engineers	3,680	3,640	-40	-0.10%	-1.10%
51.9012	Separating, Filtering, Clarifying & Precipit. Machine Oprs	1,610	1,590	-20	-0.10%	-1.20%
19.3022	Survey Researchers	2,470	2,440	-30	-0.10%	-1.20%
25.9041	Teacher Assistants	54,490	53,790	-700	-0.10%	-1.30%
27.3	Media & Communication Workers	27,860	27,460	-400	-0.10%	-1.40%
11.2022	Sales Managers	10,260	10,120	-140	-0.10%	-1.40%
51.9123	Painting, Coating & Decorating Workers	1,360	1,340	-20	-0.10%	-1.50%
27.1024	Graphic Designers	10,560	10,400	-160	-0.20%	-1.50%
51.8099	Plant & System Oprs, Other	610	600	-10	-0.20%	-1.60%
49.9031	Home Appliance Repairers	1,930	1,900	-30	-0.20%	-1.60%
49.2011	Computer, Automated Teller & Office Machine Repairers	5,030	4,950	-80	-0.20%	-1.60%
47.2022	Stonemasons	610	600	-10	-0.20%	-1.60%
47.2021	Brickmasons & Blockmasons	6,710	6,600	-110	-0.20%	-1.60%
29.1121	Audiologists	620	610	-10	-0.20%	-1.60%
27.2	Entertainers & Performers, Sports & Related Workers	27,910	27,470	-440	-0.20%	-1.60%
11.9141	Property, Real Estate, & Community Association Mgrs	4,310	4,240	-70	-0.20%	-1.60%
47.3011	Helpers - Brick/Block/Stonemasons & Tile/Marble Setters	1,780	1,750	-30	-0.20%	-1.70%
15.2031	Operations Research Analysts	2,290	2,250	-40	-0.20%	-1.80%
47.2131	Insulation Workers, Floor, Ceiling, & Wall	520	510	-10	-0.20%	-1.90%
17.2071	Electrical Engineers	5,700	5,590	-110	-0.20%	-1.90%
27.3043	Writers & Authors	4,000	3,920	-80	-0.20%	-2.00%
25.4021	Librarians	7,420	7,270	-150	-0.20%	-2.00%
25.2043	Special Education Teachers, Secondary School	6,360	6,230	-130	-0.20%	-2.00%
11.3061	Purchasing Managers	2,450	2,400	-50	-0.20%	-2.00%
39.3021	Motion Picture Projectionists	470	460	-10	-0.20%	-2.10%
41.3031	Securities, Commodities & Financial Services Sales Agents	9,890	9,670	-220	-0.20%	-2.20%
47.3013	Helpers - Electricians	2,220	2,170	-50	-0.20%	-2.30%
13.2053	Insurance Underwriters	5,220	5,100	-120	-0.20%	-2.30%
27.4012	Broadcast Technicians	1,260	1,230	-30	-0.20%	-2.40%
43.4181	Reservation & Transportation Ticket Agents & Travel Clerks	3,080	3,000	-80	-0.30%	-2.60%
43	Office & Administrative Support Occupations	1,028,010	1,001,790	-26,220	-0.30%	-2.60%
29.1125	Recreational Therapists	1,560	1,520	-40	-0.30%	-2.60%
53	Transportation & Material Moving Occupations	452,010	439,990	-12,020	-0.30%	-2.70%
47.2121	Glaziers	1,460	1,420	-40	-0.30%	-2.70%
29.2054	Respiratory Therapy Technicians	690	670	-20	-0.30%	-2.90%
27.1021	Commercial & Industrial Designers	2,420	2,350	-70	-0.30%	-2.90%
53.4021	Railroad Brake, Signal & Switch Oprs	660	640	-20	-0.30%	-3.00%
49.9052	Telecommunications Line Installers & Repairers	9,420	9,130	-290	-0.30%	-3.10%
43.9081	Proofreaders & Copy Markers	640	620	-20	-0.30%	-3.10%

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49.3021	Automotive Body & Related Repairers	7,940	7,690	-250	-0.30%	-3.20%
43.5061	Production, Planning, & Expediting Clerks	13,330	12,910	-420	-0.30%	-3.20%
11.9032	Education Administrators, Elementary & Secondary School	9,200	8,910	-290	-0.30%	-3.20%
25.9021	Farm & Home Management Advisors	1,220	1,180	-40	-0.30%	-3.30%
11.9041	Engineering Managers	5,530	5,350	-180	-0.30%	-3.30%
49.3092	Recreational Vehicle Service Technicians	590	570	-20	-0.30%	-3.40%
47.2221	Structural Iron & Steel Workers	2,340	2,260	-80	-0.30%	-3.40%
43.9	Other Office & Administrative Support Workers	228,030	220,320	-7,710	-0.30%	-3.40%
43.6	Secretaries & Administrative Assistants	171,900	166,040	-5,860	-0.30%	-3.40%
21.2011	Clergy	7,210	6,960	-250	-0.40%	-3.50%
47.4041	Hazardous Materials Removal Workers	830	800	-30	-0.40%	-3.60%
47.2211	Sheet Metal Workers	5,620	5,420	-200	-0.40%	-3.60%
17.3	Drafters, Engineering, & Mapping Technicians	33,670	32,380	-1,290	-0.40%	-3.80%
53.6099	Transportation Workers, Other	520	500	-20	-0.40%	-3.90%
51.9199	Production Workers, Other	4,030	3,870	-160	-0.40%	-4.00%
41.9091	Door-To-Door Sales Workers & News & Street Vendors	3,980	3,820	-160	-0.40%	-4.00%
17.3012	Electrical & Electronics Drafters	1,260	1,210	-50	-0.40%	-4.00%
51.4011	Computer-Controlled Machine Tool Oprs	7,980	7,650	-330	-0.40%	-4.10%
41.2011	Cashiers	156,740	150,390	-6,350	-0.40%	-4.10%
19.1032	Foresters	490	470	-20	-0.40%	-4.10%
17.2131	Materials Engineers	1,470	1,410	-60	-0.40%	-4.10%
11.2011.	Advertising & Promotions Managers	1,460	1,400	-60	-0.40%	-4.10%
51.9011	Chemical Equipment Oprs & Tenders	4,020	3,850	-170	-0.40%	-4.20%
21.2099	Religious Workers, All Other	1,910	1,830	-80	-0.40%	-4.20%
21.2	Religious Workers	15,990	15,310	-680	-0.40%	-4.30%
41.1012	Supervisors - Non-Retail Sales Workers	14,630	13,980	-650	-0.50%	-4.40%
29.1023	Orthodontists	230	220	-10	-0.40%	-4.40%
43.1011	Supervisors - Office & Administrative Support Workers	51,800	49,460	-2,340	-0.50%	-4.50%
43.1	Supervisors, Office & Administrative Support Workers	51,800	49,460	-2,340	-0.50%	-4.50%
25.2031	Secondary School Teachers	48,440	46,240	-2,200	-0.50%	-4.50%
17.2141	Mechanical Engineers	9,290	8,870	-420	-0.50%	-4.50%
51.9197	Tire Builders	440	420	-20	-0.50%	-4.60%
51.9081	Dental Laboratory Technicians	1,970	1,880	-90	-0.50%	-4.60%
13.2072	Loan Officers	13,020	12,410	-610	-0.50%	-4.70%
51.6052	Tailors, Dressmakers & Custom Sewers	1,470	1,400	-70	-0.50%	-4.80%
49.9012	Control & Valve Installers & Repairers	830	790	-40	-0.50%	-4.80%
27.2042	Musicians & Singers	8,930	8,500	-430	-0.50%	-4.80%
21.2021	Directors, Religious Activities & Education	6,860	6,530	-330	-0.50%	-4.80%
13.1021	Purchasing Agents & Buyers, Farm Products	620	590	-30	-0.50%	-4.80%
51.9122	Painters, Transportation Equipment	1,990	1,890	-100	-0.50%	-5.00%
51.4122	Welding, Soldering & Brazing Machine Oprs	1,560	1,480	-80	-0.50%	-5.10%
49.2097	Elec. Home Entertainment Equipment Installers & Repairers	1,560	1,480	-80	-0.50%	-5.10%
51.9023	Mixing & Blending Machine Oprs	6,350	6,020	-330	-0.50%	-5.20%
53.6011	Bridge & Lock Tenders	190	180	-10	-0.50%	-5.30%
51.5023	Printing Machine Oprs	9,410	8,910	-500	-0.50%	-5.30%

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51.5021	Job Printers	3,490	3,300	-190	-0.60%	-5.40%
51.3093	Food Cooking Machine Oprs	1,840	1,740	-100	-0.60%	-5.40%
49.9043	Maintenance Workers, Machinery	2,580	2,440	-140	-0.60%	-5.40%
43.5071	Shipping, Receiving, & Traffic Clerks	29,050	27,480	-1,570	-0.60%	-5.40%
43.5032	Dispatchers	6,720	6,360	-360	-0.50%	-5.40%
27.4021	Photographers	4,600	4,350	-250	-0.60%	-5.40%
13.1023	Purchasing Agents	13,280	12,550	-730	-0.60%	-5.50%
43.3061	Procurement Clerks	3,510	3,310	-200	-0.60%	-5.70%
53.7021	Crane & Tower Oprs	2,060	1,940	-120	-0.60%	-5.80%
47.3016	Helpers - Roofers	510	480	-30	-0.60%	-5.90%
43.9031	Desktop Publishers	1,190	1,120	-70	-0.60%	-5.90%
43.3021	Billing & Posting Clerks & Machine Oprs	23,820	22,420	-1,400	-0.60%	-5.90%
51.4041	Machinists	20,660	19,400	-1,260	-0.60%	-6.10%
41.9022	Real Estate Sales Agents	14,850	13,950	-900	-0.60%	-6.10%
27.1022	Fashion Designers	330	310	-20	-0.60%	-6.10%
27.1012	Craft Artists	330	310	-20	-0.60%	-6.10%
53.7199	Material Moving Workers, Other	1,450	1,360	-90	-0.60%	-6.20%
53.7072	Pump Oprs	480	450	-30	-0.60%	-6.30%
51.9032	Cutting & Slicing Machine Oprs	2,700	2,530	-170	-0.60%	-6.30%
17.3013	Mechanical Drafters	4,110	3,850	-260	-0.70%	-6.30%
43.3051	Payroll & Timekeeping Clerks	9,480	8,870	-610	-0.70%	-6.40%
51.4081	Multiple Machine Tool Oprs	5,580	5,210	-370	-0.70%	-6.60%
49.9095	Manufactured Building & Mobile Home Installers	450	420	-30	-0.70%	-6.70%
19.4051	Nuclear Technicians	600	560	-40	-0.70%	-6.70%
11.1031	Legislators, Including Local Elected Officials	4,460	4,160	-300	-0.70%	-6.70%
33.9091	Crossing Guards	5,010	4,670	-340	-0.70%	-6.80%
53.7062	Laborers & Freight, Stock & Material Movers, Hand	110,730	103,040	-7,690	-0.70%	-6.90%
13.1022	Wholesale & Retail Buyers	7,320	6,810	-510	-0.70%	-7.00%
35.2019	Cooks, All Other	700	650	-50	-0.70%	-7.10%
53.3031	Driver/Sales Workers	19,320	17,920	-1,400	-0.70%	-7.30%
17.3023	Electrical & Electronic Engineering Technicians	7,560	7,010	-550	-0.80%	-7.30%
47.3014	Helpers - Painters, Paperhangers, Plasterers, Stucco Masons	530	490	-40	-0.80%	-7.60%
49.9064	Watch Repairers	130	120	-10	-0.80%	-7.70%
41.9021	Real Estate Brokers	2,740	2,530	-210	-0.80%	-7.70%
41.9	Other Sales & Related Workers	44,480	41,030	-3,450	-0.80%	-7.80%
27.2041	Music Directors & Composers	3,340	3,080	-260	-0.80%	-7.80%
11.1021	General & Operations Managers	40,110	36,970	-3,140	-0.80%	-7.80%
23.2092	Law Clerks	2,520	2,320	-200	-0.80%	-7.90%
47.2043	Floor Sanders & Finishers	250	230	-20	-0.80%	-8.00%
11.1	Top Executives	62,110	57,160	-4,950	-0.80%	-8.00%
53.7051	Industrial Truck & Tractor Oprs	32,880	30,210	-2,670	-0.80%	-8.10%
17.3019	Drafters, All Other	370	340	-30	-0.80%	-8.10%
53.7041	Hoist & Winch Oprs	120	110	-10	-0.90%	-8.30%
51.8013	Power Plant Oprs	2,290	2,100	-190	-0.90%	-8.30%
53.7	Material Moving Workers	221,720	202,830	-18,890	-0.90%	-8.50%

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51.4121	Welders, Cutters, Solderers & Brazers	18,330	16,780	-1,550	-0.90%	-8.50%
51.4051.	Metal-Refining Furnace Oprs	2,240	2,050	-190	-0.90%	-8.50%
51.4111	Tool & Die Makers	7,010	6,410	-600	-0.90%	-8.60%
17.3011	Architectural & Civil Drafters	5,820	5,320	-500	-0.90%	-8.60%
11.1011.	Chief Executives	17,540	16,040	-1,500	-0.90%	-8.60%
51.9195	Molders, Shapers, & Casters	2,500	2,280	-220	-0.90%	-8.80%
43.5021	Couriers & Messengers	5,900	5,370	-530	-0.90%	-9.00%
53.7111	Shuttle Car Oprs	220	200	-20	-0.90%	-9.10%
51.2091	Fiberglass Laminators & Fabricators	330	300	-30	-0.90%	-9.10%
49.9096	Riggers	220	200	-20	-0.90%	-9.10%
49.9061	Camera & Photographic Equipment Repairers	110	100	-10	-0.90%	-9.10%
43.6014	Secretaries	94,060	85,480	-8,580	-1.00%	-9.10%
51.9198	Helpers, Production Workers	28,170	25,540	-2,630	-1.00%	-9.30%
51.9193	Cooling & Freezing Equipment Oprs	430	390	-40	-1.00%	-9.30%
23.2093	Title Examiners, Abstractors & Searchers	2,910	2,630	-280	-1.00%	-9.60%
51.9041	Extruding, Forming, Pressing, & Compacting Machine Oprs	3,300	2,980	-320	-1.00%	-9.70%
51.8091	Chemical Plant & System Oprs	2,070	1,870	-200	-1.00%	-9.70%
43.4011	Brokerage Clerks	2,470	2,230	-240	-1.00%	-9.70%
43.5	Material Recording, Sched., Dispatch., & Distrib. Workers	165,400	149,130	-16,270	-1.00%	-9.80%
41.2022	Parts Salespersons	10,520	9,480	-1,040	-1.00%	-9.90%
17.3024	Electro-Mechanical Technicians	710	640	-70	-1.00%	-9.90%
47.4099	Construction & Related Workers, All Other	300	270	-30	-1.00%	-10.00%
47.2041	Carpet Installers	4,220	3,800	-420	-1.00%	-10.00%
51.9196	Paper Goods Machine Oprs	7,050	6,310	-740	-1.10%	-10.50%
51.9111	Packaging & Filling Machine Oprs	18,970	16,970	-2,000	-1.10%	-10.50%
51.5	Printing Workers	19,330	17,300	-2,030	-1.10%	-10.50%
51.4021	Extruding & Drawing Machine Oprs	5,800	5,190	-610	-1.10%	-10.50%
51.6021	Pressers: Textile, Garment & Related Materials	1,610	1,440	-170	-1.10%	-10.60%
43.9041	Insurance Claims & Policy Processing Clerks	12,010	10,740	-1,270	-1.10%	-10.60%
51.9194	Etchers & Engravers	280	250	-30	-1.10%	-10.70%
51.9	Other Production Occupations	129,980	116,110	-13,870	-1.10%	-10.70%
51.7099	Woodworkers, Other	280	250	-30	-1.10%	-10.70%
51.2023	Electromechanical Equipment Assemblers	2,500	2,230	-270	-1.10%	-10.80%
51.1011	Supervisors - Production & Operating Workers	30,790	27,460	-3,330	-1.10%	-10.80%
51.1	Supervisors, Production Workers	30,790	27,460	-3,330	-1.10%	-10.80%
51	Production Occupations	460,840	411,250	-49,590	-1.10%	-10.80%
27.3022	Reporters & Correspondents	2,950	2,630	-320	-1.10%	-10.90%
51.4052	Pourers & Casters, Metal	1,370	1,220	-150	-1.20%	-11.00%
51.4061	Model Makers	630	560	-70	-1.20%	-11.10%
51.4012	Numerical Tool & Process Control Programmers	1,170	1,040	-130	-1.20%	-11.10%
11.3051	Industrial Production Managers	6,560	5,830	-730	-1.20%	-11.10%
43.5051	Postal Service Clerks	3,670	3,260	-410	-1.20%	-11.20%
53.7011	Conveyor Oprs & Tenders	1,860	1,650	-210	-1.20%	-11.30%
51.4062	Patternmakers	530	470	-60	-1.20%	-11.30%
43.5052	Postal Service Mail Carriers	15,730	13,960	-1,770	-1.20%	-11.30%

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13.2071	Loan Counselors	1,150	1,020	-130	-1.20%	-11.30%
51.4023	Rolling Machine Oprs	2,590	2,290	-300	-1.20%	-11.60%
49.2092	Electric Motor, Power Tool, & Related Repairers	1,120	990	-130	-1.20%	-11.60%
49.3052	Motorcycle Mechanics	940	830	-110	-1.20%	-11.70%
27.3041	Editors	4,860	4,280	-580	-1.30%	-11.90%
51.2092	Team Assemblers	47,090	41,400	-5,690	-1.30%	-12.10%
51.9061	Inspectors, Testers, Sorters, Samplers, & Weighers	23,270	20,430	-2,840	-1.30%	-12.20%
51.4	Metal Workers & Plastic Workers	117,910	103,530	-14,380	-1.30%	-12.20%
43.5081	Stock Clerks & Order Fillers	71,810	62,890	-8,920	-1.30%	-12.40%
11.9131	Postmasters & Mail Superintendents	1,600	1,400	-200	-1.30%	-12.50%
31.9095	Pharmacy Aides	1,750	1,530	-220	-1.30%	-12.60%
13.2041	Credit Analysts	2,180	1,900	-280	-1.40%	-12.80%
51.6051.	Sewers, Hand	370	320	-50	-1.40%	-13.50%
43.9071	Office Machine Oprs	3,950	3,410	-540	-1.50%	-13.70%
51.2099	Assemblers & Fabricators, Other	5,560	4,790	-770	-1.50%	-13.90%
51.2041	Structural Metal Fabricators & Fitters	6,570	5,630	-940	-1.50%	-14.30%
25.2032	Vocational Education Teachers, Secondary School	4,670	4,000	-670	-1.50%	-14.40%
53.4013	Rail Yard Engineers, Dinkey Oprs & Hostlers	410	350	-60	-1.60%	-14.60%
51.4191	Heat Treating Equipment Oprs	1,710	1,460	-250	-1.60%	-14.60%
51.4193	Plating & Coating Machine Oprs	2,040	1,740	-300	-1.60%	-14.70%
51.2	Assemblers & Fabricators	74,410	63,500	-10,910	-1.60%	-14.70%
51.9192	Cleaning, Washing, & Metal Pickling Equipment Oprs	810	690	-120	-1.60%	-14.80%
51.9051.	Furnace, Kiln, Oven, Drier, & Kettle Oprs	1,680	1,430	-250	-1.60%	-14.90%
51.6093	Upholsterers	1,210	1,030	-180	-1.60%	-14.90%
25.2023	Vocational Education Teachers, Middle School	870	740	-130	-1.60%	-14.90%
51.7042	Woodworking Machine Oprs	4,550	3,870	-680	-1.60%	-15.00%
51.9031	Cutters & Trimmers, Hand	730	620	-110	-1.60%	-15.10%
51.9022	Grinding & Polishing Workers, Hand	1,250	1,060	-190	-1.60%	-15.20%
51.5012	Bookbinders	330	280	-50	-1.60%	-15.20%
51.9191	Cementing & Gluing Machine Oprs	590	500	-90	-1.60%	-15.30%
49.9045	Refractory Materials Repairers	260	220	-40	-1.70%	-15.40%
27.3021	Broadcast News Analysts	130	110	-20	-1.70%	-15.40%
51.9021	Crushing, Grinding, & Polishing Machine Oprs	2,430	2,050	-380	-1.70%	-15.60%
51.2031	Engine & Other Machine Assemblers	1,150	970	-180	-1.70%	-15.70%
15.1021	Computer Programmers	20,200	17,030	-3,170	-1.70%	-15.70%
43.9021	Data Entry Keyers	13,170	11,070	-2,100	-1.70%	-16.00%
51.9141	Semiconductor Processors	490	410	-80	-1.80%	-16.30%
51.6	Textile, Apparel, & Furnishings Workers	26,030	21,750	-4,280	-1.80%	-16.40%
43.2011	Switchboard Oprs	6,520	5,450	-1,070	-1.80%	-16.40%
51.7041	Sawing Machine Oprs, Wood	2,210	1,840	-370	-1.80%	-16.70%
43.5111	Weighers, Measurers, Checkers, & Samplers, Recordkeeping	3,330	2,770	-560	-1.80%	-16.80%
43.9051	Mail Clerks & Mail Machine Oprs	8,750	7,270	-1,480	-1.80%	-16.90%
49.2095	Elec. Repairers - Powerhouse, Substation, & Relay	1,120	930	-190	-1.80%	-17.00%
53.7064	Packers & Packagers, Hand	40,200	33,280	-6,920	-1.90%	-17.20%
51.9121	Coating, Painting & Spraying Machine Oprs	5,700	4,720	-980	-1.90%	-17.20%

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47.2142	Paperhangers	810	670	-140	-1.90%	-17.30%
43.9022	Word Processors & Typists	13,960	11,540	-2,420	-1.90%	-17.30%
51.4072	Molding & Casting Machine Oprs	8,010	6,620	-1,390	-1.90%	-17.40%
43.4199	Information & Record Clerks, All Other	5,220	4,310	-910	-1.90%	-17.40%
53.7063	Machine Feeders & Offbearers	8,550	7,040	-1,510	-1.90%	-17.70%
43.9199	Office & Administrative Support Workers, All Other	4,960	4,080	-880	-1.90%	-17.70%
53.4099	Rail Transportation Workers, Other	280	230	-50	-1.90%	-17.90%
51.7	Woodworkers	14,010	11,490	-2,520	-2.00%	-18.00%
43.5041	Meter Readers, Utilities	1,220	1,000	-220	-2.00%	-18.00%
25.9011	Audio-Visual Collections Specialists	220	180	-40	-2.00%	-18.20%
51.4033	Grinding, Lapping, Polishing & Buffing Machine Tool Oprs	5,730	4,680	-1,050	-2.00%	-18.30%
51.8012	Power Distributors & Dispatchers	430	350	-80	-2.00%	-18.60%
51.7021	Furniture Finishers	1,020	830	-190	-2.00%	-18.60%
51.2093	Timing Device Assemblers, Adjusters, & Calibrators	160	130	-30	-2.10%	-18.80%
47.2042	Floor Layers	670	540	-130	-2.10%	-19.40%
43.5053	Postal Service Mail Sorters & Processors	8,860	7,130	-1,730	-2.10%	-19.50%
43.4131	Loan Interviewers & Clerks	6,230	5,010	-1,220	-2.20%	-19.60%
51.7011	Cabinetmakers & Bench Carpenters	5,720	4,590	-1,130	-2.20%	-19.80%
43.2	Communications Equipment Operators	8,200	6,570	-1,630	-2.20%	-19.90%
43.4041	Credit Authorizers, Checkers, & Clerks	1,590	1,270	-320	-2.20%	-20.10%
41.9041	Telemarketers	13,040	10,410	-2,630	-2.20%	-20.20%
51.5022	Prepress Technicians & Workers	3,220	2,560	-660	-2.30%	-20.50%
51.4035	Milling & Planing Machine Oprs	1,680	1,330	-350	-2.30%	-20.80%
51.4031	Cutting, Punching & Press Machine Oprs	13,290	10,530	-2,760	-2.30%	-20.80%
51.5011	Bindery Workers	2,880	2,260	-620	-2.40%	-21.50%
51.6091	Extruding & Forming Machine Oprs, Synthetic & Glass Fibers	1,160	910	-250	-2.40%	-21.60%
51.4194	Tool Grinders, Filers & Sharpeners	960	750	-210	-2.40%	-21.90%
13.2082	Tax Preparers	3,470	2,710	-760	-2.40%	-21.90%
27.3011	Radio & Television Announcers	2,400	1,860	-540	-2.50%	-22.50%
27.2032	Choreographers	660	510	-150	-2.50%	-22.70%
51.4034	Lathe & Turning Machine Tool Oprs	3,710	2,860	-850	-2.60%	-22.90%
51.4032	Drilling & Boring Machine Tool Oprs	1,500	1,150	-350	-2.60%	-23.30%
45.4023	Log Graders & Scalers	200	150	-50	-2.80%	-25.00%
51.4071	Foundry Mold & Coremakers	700	520	-180	-2.90%	-25.70%
43.4141	New Accounts Clerks	2,230	1,650	-580	-3.00%	-26.00%
43.4151	Order Clerks	12,710	9,320	-3,390	-3.10%	-26.70%
51.2021	Coil Winders, Tapers, & Finishers	1,130	820	-310	-3.20%	-27.40%
51.6062	Textile Cutting Machine Oprs	820	590	-230	-3.20%	-28.10%
51.6042	Shoe Machine Oprs/Tenders	70	50	-20	-3.30%	-28.60%
27.4013	Radio Oprs	70	50	-20	-3.30%	-28.60%
51.4192	Lay-Out Workers	380	270	-110	-3.40%	-29.00%
51.2022	Electrical & Electronic Equipment Assemblers	9,270	6,510	-2,760	-3.50%	-29.80%
51.4022	Forging Machine Oprs	2,230	1,540	-690	-3.60%	-30.90%
51.4199	Metal Workers & Plastic Workers, Other	510	350	-160	-3.70%	-31.40%
43.9011	Computer Oprs	4,680	3,170	-1,510	-3.80%	-32.30%

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51.6099	Textile, Apparel, & Furnishings Workers, Other	380	250	-130	-4.10%	-34.20%
51.6031	Sewing Machine Oprs	7,600	4,990	-2,610	-4.10%	-34.30%
43.2021	Telephone Oprs	1,520	970	-550	-4.40%	-36.20%
51.6061	Textile Bleaching & Dyeing Machine Oprs	320	200	-120	-4.60%	-37.50%
51.6092	Fabric & Apparel Patternmakers	310	180	-130	-5.30%	-41.90%
51.6064	Textile Winding, Twisting, & Drawing Out Machine Oprs	680	380	-300	-5.70%	-44.10%
51.9131	Photographic Process Workers	430	240	-190	-5.70%	-44.20%
51.7032	Patternmakers, Wood	200	110	-90	-5.80%	-45.00%
43.4071	File Clerks	10,710	5,730	-4,980	-6.10%	-46.50%
51.6063	Textile Knitting & Weaving Machine Oprs	1,340	660	-680	-6.80%	-50.80%
51.9132	Photographic Processing Machine Oprs	2,990	1,380	-1,610	-7.40%	-53.90%