

2016 High Priority Occupations for Lehigh Valley Workforce Development Area

SOC Code	SOC Title	Educational Attainment	Wages (2015)			Employment			
			Entry Level	Annual Average	Exper. Level	Estimated 2012	Projected 2022	Percent Change	Annual Openings
11-2022	Sales Managers	BD+	\$67,680	\$117,870	\$142,970	580	610	5.2%	15
11-9151	Social & Community Service Managers	BD+	\$37,620	\$56,890	\$66,520	220	230	4.5%	6
13-1023	Purchasing Agents	BD+	\$40,010	\$62,920	\$74,370	600	650	8.3%	16
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	\$49,810	\$63,350	\$70,120	430	440	2.3%	11
13-1051	Cost Estimators	BD	\$42,260	\$61,880	\$71,690	480	570	18.8%	24
13-1081	Logisticians	BD	\$41,770	\$67,860	\$80,900	210	270	28.6%	8
13-1151	Training & Development Specialists	BD+	\$37,230	\$58,720	\$69,470	520	570	9.6%	14
13-1161	Market Research Analysts & Marketing Specialists	BD	\$29,620	\$58,150	\$72,410	1,030	1,300	26.2%	42
13-2011	Accountants & Auditors	BD	\$45,350	\$71,020	\$83,850	2,640	2,890	9.5%	103
13-2051	Financial Analysts	BD	\$57,650	\$81,910	\$94,040	450	500	11.1%	17
15-1121	Computer Systems Analysts	BD	\$51,290	\$82,870	\$98,660	820	1,010	23.2%	31
15-1131	Computer Programmers	BD	\$50,950	\$83,870	\$100,320	480	480	0.0%	12
15-1132	Software Developers, Applications	BD	\$51,460	\$85,380	\$102,340	1,080	1,270	17.6%	32
15-1133	Software Developers, Systems Software	BD	\$60,540	\$90,810	\$105,940	630	710	12.7%	17
15-1142	Network & Computer Systems Administrators	BD	\$44,000	\$71,000	\$84,500	740	800	8.1%	18
15-1151	Computer User Support Specialists	PS	\$31,620	\$47,590	\$55,580	900	1,030	14.4%	27
15-1152	Computer Network Support Specialists	AD	\$40,130	\$61,570	\$72,290	260	260	0.0%	5
17-2051	Civil Engineers	BD	\$54,590	\$76,590	\$87,590	580	710	22.4%	28
17-2072	Electronics Engineers	BD	\$61,550	\$89,430	\$103,360	180	200	11.1%	6
17-2112	Industrial Engineers	BD	\$50,640	\$80,020	\$94,700	530	560	5.7%	19
17-2141	Mechanical Engineers	BD	\$54,070	\$84,040	\$99,030	350	390	11.4%	16
17-3024	Electro-Mechanical Technicians	AD	\$44,300	\$48,860	\$51,140	10	10	0.0%	0
17-3026	Industrial Engineering Technicians	AD	\$35,130	\$54,740	\$64,550	100	110	10.0%	3
19-4021	Biological Technicians	BD	\$29,850	\$39,680	\$44,600	110	120	9.1%	4
21-1011	Substance Abuse & Behavioral Disorder Counselors	BD	\$28,180	\$38,790	\$44,100	410	490	19.5%	17
21-1012	Educational, Guidance, School & Vocational Counselors	MD	\$42,050	\$60,040	\$69,040	460	480	4.3%	12
21-1015	Rehabilitation Counselors	MD	\$25,610	\$42,440	\$50,860	150	160	6.7%	5
21-1021	Child, Family & School Social Workers	BD	\$32,530	\$47,200	\$54,540	450	480	6.7%	13
21-1022	Healthcare Social Workers	MD	\$37,540	\$49,590	\$55,610	270	330	22.2%	12
21-1023	Mental Health & Substance Abuse Social Workers	BD	\$27,030	\$37,710	\$43,050	390	440	12.8%	13
21-1091	Health Educators	BD	N/A	N/A	N/A	100	130	30.0%	5
21-1093	Social & Human Service Assistants	ST OJT	\$20,910	\$27,150	\$30,270	930	1,020	9.7%	34
21-1094	Community Health Workers	ST OJT	\$22,110	\$35,870	\$42,760	70	80	14.3%	3
23-2011	Paralegals & Legal Assistants	AD	\$38,740	\$47,660	\$52,120	480	570	18.8%	18
25-2032	Career/Technical Education Teachers, Secondary School	BD+	\$50,680	\$68,630	\$77,600	240	240	0.0%	7
25-3021	Self-Enrichment Education Teachers	WK EXP	\$16,950	\$28,200	\$33,820	670	720	7.5%	17
27-2022	Coaches & Scouts	BD	\$18,810	\$41,590	\$52,980	490	560	14.3%	21

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29-1051	Pharmacists	PROF	\$92,050	\$111,790	\$121,660	480	540	12.5%	17
29-1071	Physician Assistants	MD	\$66,940	\$89,040	\$100,100	340	370	8.8%	9
29-1126	Respiratory Therapists	AD	\$46,860	\$58,290	\$64,010	220	270	22.7%	7
29-1141	Registered Nurses	BD	\$51,860	\$65,810	\$72,780	6,740	8,030	19.1%	260
29-1171	Nurse Practitioners	MD	\$57,070	\$85,800	\$100,170	230	270	17.4%	8
29-2011	Medical & Clinical Laboratory Technologists	BD	\$50,150	\$59,550	\$64,260	620	660	6.5%	20
29-2012	Medical & Clinical Laboratory Technicians	AD	\$31,650	\$41,910	\$47,040	400	430	7.5%	13
29-2021	Dental Hygienists	AD	\$52,360	\$61,740	\$66,430	430	510	18.6%	19
29-2031	Cardiovascular Technologists & Technicians	AD	\$39,450	\$58,780	\$68,450	230	290	26.1%	9
29-2032	Diagnostic Medical Sonographers	AD	\$48,380	\$60,340	\$66,320	150	210	40.0%	8
29-2034	Radiologic Technologists	AD	\$47,170	\$59,390	\$65,500	610	710	16.4%	19
29-2041	Emergency Medical Technicians & Paramedics	PS	\$26,400	\$37,420	\$42,930	870	1,010	16.1%	38
29-2052	Pharmacy Technicians	MT OJT	\$20,500	\$28,160	\$31,990	770	890	15.6%	20
29-2055	Surgical Technologists	PS	\$32,050	\$42,610	\$47,880	170	220	29.4%	6
29-2056	Veterinary Technologists & Technicians	AD	\$26,960	\$33,500	\$36,770	120	170	41.7%	5
29-2061	Licensed Practical & Licensed Vocational Nurses	PS	\$39,140	\$45,790	\$49,120	1,850	2,190	18.4%	79
29-2071	Medical Records & Health Information Technicians	PS	\$24,820	\$31,550	\$34,920	340	410	20.6%	16
29-2081	Opticians, Dispensing	LT OJT	\$27,040	\$37,800	\$43,170	210	250	19.0%	10
31-1011	Home Health Aides	ST OJT	\$17,480	\$22,490	\$24,990	2,380	3,040	27.7%	110
31-1014	Nursing Assistants	PS	\$23,160	\$28,260	\$30,810	4,900	5,420	10.6%	145
31-2011	Occupational Therapy Assistants	AD	\$39,330	\$48,680	\$53,350	200	270	35.0%	12
31-2021	Physical Therapist Assistants	AD	\$38,340	\$47,330	\$51,820	260	340	30.8%	14
31-9091	Dental Assistants	PS	\$24,260	\$33,230	\$37,710	710	790	11.3%	23
31-9092	Medical Assistants	PS	\$24,460	\$30,440	\$33,430	1,430	1,640	14.7%	48
31-9097	Phlebotomists	PS	\$26,800	\$32,510	\$35,360	220	260	18.2%	8
35-1011	Chefs & Head Cooks	WK EXP	\$33,040	\$58,350	\$71,010	250	270	8.0%	5
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	\$22,530	\$34,490	\$40,480	1,280	1,470	14.8%	54
39-3011	Gaming Dealers	ST OJT	N/A	N/A	N/A	760	800	5.3%	16
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	\$18,400	\$27,880	\$32,620	430	480	11.6%	11
41-1011	Supervisors - Retail Sales Workers	WK EXP	\$30,140	\$45,580	\$53,300	2,700	2,690	-0.4%	59
41-2021	Counter & Rental Clerks	ST OJT	\$19,680	\$30,830	\$36,400	870	960	10.3%	31
41-3011	Advertising Sales Agents	MT OJT	\$24,720	\$56,610	\$72,560	310	320	3.2%	11
41-3031	Securities, Commodities & Financial Services Sales Agents	BD+	\$33,590	\$70,540	\$89,020	490	490	0.0%	11
41-4011	Sales Representatives, Technical & Scientific Products	BD+	\$61,410	\$96,700	\$114,350	610	640	4.9%	15
41-4012	Sales Representatives	MT OJT	\$36,060	\$61,640	\$74,430	3,740	3,890	4.0%	87
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	\$37,560	\$55,510	\$64,490	2,720	2,930	7.7%	86
43-3011	Bill & Account Collectors	MT OJT	\$20,860	\$28,230	\$31,910	1,400	1,470	5.0%	47

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43-3021	Billing & Posting Clerks	MT OJT	\$26,350	\$36,070	\$40,920	1,270	1,440	13.4%	39
43-3031	Bookkeeping, Accounting & Auditing Clerks	PS+	\$26,100	\$37,120	\$42,640	3,660	3,960	8.2%	64
43-4011	Brokerage Clerks	MT OJT	\$34,280	\$47,560	\$54,200	70	60	-14.3%	2
43-4051	Customer Service Representatives	ST OJT	\$22,710	\$34,270	\$40,050	6,240	6,850	9.8%	231
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	\$16,970	\$21,750	\$24,140	320	360	12.5%	19
43-5011	Cargo & Freight Agents	ST OJT	\$28,830	\$42,360	\$49,130	50	60	20.0%	3
43-5032	Dispatchers	MT OJT	\$30,440	\$41,760	\$47,420	520	590	13.5%	22
43-5061	Production, Planning & Expediting Clerks	MT OJT	\$29,360	\$45,930	\$54,220	940	1,030	9.6%	32
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	\$24,250	\$32,960	\$37,310	2,080	2,090	0.5%	56
43-6012	Legal Secretaries	MT OJT	\$34,610	\$42,600	\$46,600	270	260	-3.7%	3
43-6013	Medical Secretaries	MT OJT	\$21,740	\$30,070	\$34,230	970	1,220	25.8%	37
43-6014	Secretaries	ST OJT	\$23,100	\$32,920	\$37,840	5,150	5,500	6.8%	97
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	\$31,850	\$42,230	\$47,420	450	470	4.4%	14
43-9061	Office Clerks, General	ST OJT	\$20,350	\$30,580	\$35,690	7,440	7,610	2.3%	173
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	\$45,690	\$68,430	\$79,800	880	1,020	15.9%	24
47-2021	Brickmasons & Blockmasons	LT OJT	\$44,040	\$55,610	\$61,390	90	120	33.3%	4
47-2031	Carpenters	LT OJT	\$30,330	\$42,650	\$48,810	2,060	2,410	17.0%	59
47-2051	Cement Masons & Concrete Finishers	MT OJT	\$31,390	\$41,720	\$46,880	170	210	23.5%	6
47-2061	Construction Laborers	ST OJT	\$22,840	\$33,240	\$38,430	1,760	2,140	21.6%	76
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	\$32,010	\$41,310	\$45,960	610	720	18.0%	24
47-2111	Electricians	LT OJT	\$34,640	\$54,420	\$64,310	1,220	1,380	13.1%	39
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	\$38,450	\$61,180	\$72,540	760	880	15.8%	22
47-2211	Sheet Metal Workers	LT OJT	\$46,530	\$63,470	\$71,940	230	250	8.7%	6
47-2221	Structural Iron & Steel Workers	LT OJT	\$36,420	\$50,400	\$57,390	110	120	9.1%	5
47-4011	Construction & Building Inspectors	WK EXP	\$34,300	\$48,420	\$55,470	250	280	12.0%	9
47-5012	Rotary Drill Operators, Oil & Gas	MT OJT	N/A	N/A	N/A	0	0	0.0%	0
47-5071	Roustabouts, Oil & Gas	MT OJT	N/A	N/A	N/A	0	0	0.0%	0
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	\$48,520	\$70,720	\$81,820	690	730	5.8%	23
49-2098	Security & Fire Alarm Systems Installers	MT OJT	\$32,590	\$42,340	\$47,220	120	140	16.7%	4
49-3021	Automotive Body & Related Repairers	LT OJT	\$26,690	\$38,270	\$44,070	480	520	8.3%	13
49-3023	Automotive Service Technicians & Mechanics	PS	\$24,920	\$38,880	\$45,860	2,130	2,270	6.6%	68
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	\$33,400	\$43,430	\$48,440	590	650	10.2%	19
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS+	\$34,400	\$47,410	\$53,910	760	840	10.5%	27
49-9041	Industrial Machinery Mechanics	LT OJT	\$37,450	\$50,000	\$56,280	1,120	1,460	30.4%	66
49-9043	Maintenance Workers, Machinery	MT OJT	\$33,750	\$46,210	\$52,440	270	290	7.4%	5
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	\$50,390	\$63,040	\$69,360	100	110	10.0%	5
49-9052	Telecommunications Line Installers & Repairers	LT OJT	\$40,240	\$58,840	\$68,140	240	230	-4.2%	6

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49-9071	Maintenance & Repair Workers, General	LT OJT	\$24,770	\$38,690	\$45,650	3,290	3,550	7.9%	89
51-1011	Supervisors - Production & Operating Workers	WK EXP	\$42,040	\$62,500	\$72,730	1,250	1,240	-0.8%	18
51-2092	Team Assemblers	MT OJT	\$22,400	\$31,390	\$35,880	2,690	2,850	5.9%	59
51-3021	Butchers & Meat Cutters	LT OJT	\$19,820	\$30,600	\$35,990	370	380	2.7%	10
51-3092	Food Batchmakers	MT OJT	\$26,730	\$38,220	\$43,960	280	270	-3.6%	9
51-4011	Computer-Controlled Machine Tool Operators, Metal & Plastic	MT OJT	\$29,070	\$38,730	\$43,560	290	340	17.2%	13
51-4012	CNC Machine Tool Programmers, Metal & Plastic	LT OJT	\$40,390	\$54,900	\$62,160	60	80	33.3%	4
51-4033	Grinding, Lapping, Polishing & Buffing Machine Operators, Metal & Plastic	MT OJT	\$26,930	\$34,910	\$38,900	380	330	-13.2%	8
51-4041	Machinists	LT OJT	\$30,370	\$42,110	\$47,980	1,460	1,710	17.1%	59
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	\$30,790	\$37,390	\$40,700	160	140	-12.5%	3
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	\$31,950	\$39,260	\$42,910	470	490	4.3%	14
51-5112	Printing Press Operators	MT OJT	\$23,880	\$34,760	\$40,210	300	280	-6.7%	5
51-5113	Print Binding & Finishing Workers	ST OJT	\$18,500	\$26,810	\$30,960	160	160	0.0%	3
51-9011	Chemical Equipment Operators & Tenders	MT OJT	\$26,280	\$39,730	\$46,460	130	130	0.0%	5
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	\$27,860	\$38,950	\$44,500	1,110	1,160	4.5%	29
51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	\$21,670	\$33,530	\$39,460	1,170	1,180	0.9%	28
53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	\$42,240	\$61,490	\$71,120	480	540	12.5%	18
53-3031	Driver/Sales Workers	ST OJT	\$16,970	\$23,320	\$26,490	1,060	1,140	7.5%	25
53-3032	Heavy & Tractor-Trailer Truck Drivers	PS	\$33,590	\$44,360	\$49,740	4,900	5,580	13.9%	146
53-3033	Light Truck or Delivery Services Drivers	ST OJT	\$20,300	\$36,480	\$44,560	2,380	2,450	2.9%	45
53-7032	Excavating & Loading Machine & Dragline Operators	WK EXP	N/A	N/A	N/A	110	130	18.2%	3
53-7051	Industrial Truck & Tractor Operators	ST OJT	\$27,910	\$35,360	\$39,090	2,830	2,920	3.2%	74

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.