

## 2016 High Priority Occupations for Lehigh Valley Workforce Development Area

SOC	Occupational Classification	EA	Wages (2015)			Employment			
			Entry Level	Annual Avg	Exper Level	Est 2012	Proj 2022	% Change	Annual Openings
13-2011	Accountants & Auditors	BD	\$46,870	\$73,010	\$86,080	2640	2890	9.5%	103
41-3011	Advertising Sales Agents	MT OJT	\$25,600	\$58,940	\$75,610	310	320	3.2%	11
43-3011	Bill & Account Collectors	MT OJT	\$22,080	\$30,650	\$34,930	1400	1470	5.0%	47
43-3021	Billing & Posting Clerks	MT OJT	\$27,600	\$36,540	\$41,020	1270	1440	13.4%	39
19-4021	Biological Technicians	BD	\$29,460	\$39,570	\$44,620	110	120	9.1%	4
43-3031	Bookkeeping, Accounting & Auditing Clerks	PS+	\$25,320	\$37,440	\$43,500	3660	3960	8.2%	64
47-2021	Brickmasons & Blockmasons	LT OJT	\$36,500	\$58,590	\$69,640	90	120	33.3%	4
43-4011	Brokerage Clerks	MT OJT	\$40,130	\$45,960	\$48,880	70	60	-14.3%	2
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	\$33,600	\$45,330	\$51,190	590	650	10.2%	19
29-2031	Cardiovascular Technologists & Technicians	AD	\$36,210	\$54,490	\$63,630	230	290	26.1%	9
43-5011	Cargo & Freight Agents	ST OJT	\$37,700	\$46,980	\$51,620	50	60	20.0%	3
47-2031	Carpenters	LT OJT	\$28,430	\$42,130	\$48,980	2060	2410	17.0%	59
47-2051	Cement Masons & Concrete Finishers	MT OJT	\$29,480	\$39,450	\$44,440	170	210	23.5%	6
51-9011	Chemical Equipment Operators & Tenders	MT OJT	\$27,400	\$43,140	\$51,000	130	130	0.0%	5
21-1021	Child, Family & School Social Workers	BD	\$27,760	\$44,520	\$52,900	450	480	6.7%	13
17-2051	Civil Engineers	BD	\$60,610	\$83,570	\$95,050	580	710	22.4%	28
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	\$44,630	\$63,140	\$72,400	430	440	2.3%	11
51-4012	CNC Machine Tool Programmers, Metal & Plastic	LT OJT	\$44,370	\$56,780	\$62,980	60	80	33.3%	4
21-1094	Community Health Workers	ST OJT	\$22,510	\$41,360	\$50,790	70	80	14.3%	3
15-1152	Computer Network Support Specialists	AD	\$41,760	\$59,300	\$68,060	260	260	0.0%	5
15-1131	Computer Programmers	BD	\$46,140	\$78,210	\$94,250	480	480	0.0%	12
15-1121	Computer Systems Analysts	BD	\$52,110	\$82,400	\$97,540	820	1010	23.2%	31
15-1151	Computer User Support Specialists	PS	\$37,040	\$53,420	\$61,620	900	1030	14.4%	27
51-4011	Computer-Controlled Machine Tool Operators, Metal & Plastic	MT OJT	\$26,620	\$38,150	\$43,920	290	340	17.2%	13
47-4011	Construction & Building Inspectors	WK EXP	\$34,110	\$48,130	\$55,140	250	280	12.0%	9
47-2061	Construction Laborers	ST OJT	\$25,170	\$37,820	\$44,140	1760	2140	21.6%	76
13-1051	Cost Estimators	BD	\$41,810	\$63,210	\$73,920	480	570	18.8%	24
43-4051	Customer Service Representatives	ST OJT	\$23,180	\$34,530	\$40,210	6240	6850	9.8%	231

## 2016 High Priority Occupations for Lehigh Valley Workforce Development Area

SOC	Occupational Classification	EA	Wages (2015)			Employment			
			Entry Level	Annual Avg	Exper Level	Est 2012	Proj 2022	% Change	Annual Openings
31-9091	Dental Assistants	PS	\$24,080	\$34,400	\$39,560	710	790	11.3%	23
29-2021	Dental Hygienists	AD	\$53,410	\$63,770	\$68,950	430	510	18.6%	19
29-2032	Diagnostic Medical Sonographers	AD	\$48,370	\$63,530	\$71,120	150	210	40.0%	8
43-5032	Dispatchers	MT OJT	\$24,580	\$36,740	\$42,820	520	590	13.5%	22
53-3031	Driver/Sales Workers	ST OJT	\$17,200	\$22,660	\$25,400	1060	1140	7.5%	25
21-1012	Educational, Guidance, School & Vocational Counselors	MD	\$41,150	\$59,140	\$68,140	460	480	4.3%	12
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	\$49,250	\$61,310	\$67,330	100	110	10.0%	5
47-2111	Electricians	LT OJT	\$31,810	\$49,280	\$58,020	1220	1380	13.1%	39
17-3024	Electro-Mechanical Technicians	AD	N/A	N/A	N/A	10	10	0.0%	0
17-2072	Electronics Engineers	BD	N/A	N/A	N/A	180	200	11.1%	6
29-2041	Emergency Medical Technicians & Paramedics	PS	\$26,640	\$39,160	\$45,430	870	1010	16.1%	38
53-7032	Excavating & Loading Machine & Dragline Operators	WK EXP	N/A	N/A	N/A	110	130	18.2%	3
13-2051	Financial Analysts	BD	\$56,300	\$85,160	\$99,580	450	500	11.1%	17
51-3092	Food Batchmakers	MT OJT	\$29,070	\$39,100	\$44,110	280	270	-3.6%	9
51-4033	Grinding, Lapping, Polishing & Buffing Machine Operators, Metal & Plastic	MT OJT	\$27,080	\$35,640	\$39,920	380	330	-13.2%	8
21-1091	Health Educators	BD	\$39,160	\$84,670	\$107,430	100	130	30.0%	5
21-1022	Healthcare Social Workers	MD	\$38,030	\$50,060	\$56,080	270	330	22.2%	12
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS+	\$34,260	\$46,240	\$52,230	760	840	10.5%	27
53-3032	Heavy & Tractor-Trailer Truck Drivers	PS	\$31,860	\$45,020	\$51,600	4900	5580	13.9%	146
31-1011	Home Health Aides	ST OJT	\$17,300	\$22,660	\$25,340	2380	3040	27.7%	110
17-3026	Industrial Engineering Technicians	AD	\$32,340	\$50,960	\$60,270	100	110	10.0%	3
17-2112	Industrial Engineers	BD	\$53,560	\$83,820	\$98,950	530	560	5.7%	19
49-9041	Industrial Machinery Mechanics	LT OJT	\$36,180	\$49,100	\$55,560	1120	1460	30.4%	66
53-7051	Industrial Truck & Tractor Operators	ST OJT	\$27,800	\$35,010	\$38,610	2830	2920	3.2%	74
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	\$26,720	\$39,650	\$46,110	1110	1160	4.5%	29
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	\$32,230	\$42,630	\$47,820	450	470	4.4%	14
43-6012	Legal Secretaries	MT OJT	\$35,330	\$42,370	\$45,890	270	260	-3.7%	3
29-2061	Licensed Practical & Licensed Vocational Nurses	PS	\$40,310	\$46,230	\$49,190	1850	2190	18.4%	79

## 2016 High Priority Occupations for Lehigh Valley Workforce Development Area

			Wages (2015)			Employment			
SOC	Occupational Classification	EA	Entry Level	Annual Avg	Exper Level	Est 2012	Proj 2022	% Change	Annual Openings
53-3033	Light Truck or Delivery Services Drivers	ST OJT	\$20,200	\$36,410	\$44,510	2380	2450	2.9%	45
13-1081	Logisticians	BD	\$41,630	\$68,090	\$81,320	210	270	28.6%	8
51-4041	Machinists	LT OJT	\$26,950	\$40,340	\$47,040	1460	1710	17.1%	59
49-9071	Maintenance & Repair Workers, General	LT OJT	\$24,040	\$37,810	\$44,700	3290	3550	7.9%	89
49-9043	Maintenance Workers, Machinery	MT OJT	\$35,170	\$50,280	\$57,840	270	290	7.4%	5
13-1161	Market Research Analysts & Marketing Specialists	BD	\$29,820	\$58,360	\$72,630	1030	1300	26.2%	42
17-2141	Mechanical Engineers	BD	\$53,230	\$82,830	\$97,640	350	390	11.4%	16
29-2012	Medical & Clinical Laboratory Technicians	AD	\$32,030	\$44,260	\$50,370	400	430	7.5%	13
29-2011	Medical & Clinical Laboratory Technologists	BD	\$47,360	\$59,880	\$66,140	620	660	6.5%	20
31-9092	Medical Assistants	PS	\$25,110	\$31,730	\$35,030	1430	1640	14.7%	48
29-2071	Medical Records & Health Information Technicians	PS	\$25,300	\$33,880	\$38,160	340	410	20.6%	16
43-6013	Medical Secretaries	MT OJT	\$22,180	\$30,490	\$34,640	970	1220	25.8%	37
21-1023	Mental Health & Substance Abuse Social Workers	BD	\$26,720	\$37,360	\$42,670	390	440	12.8%	13
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	\$30,420	\$37,820	\$41,520	160	140	-12.5%	3
15-1142	Network & Computer Systems Administrators	BD	\$47,670	\$77,950	\$93,090	740	800	8.1%	18
29-1171	Nurse Practitioners	MD	\$71,800	\$94,230	\$105,450	230	270	17.4%	8
31-1014	Nursing Assistants	PS	\$23,030	\$28,510	\$31,250	4900	5420	10.6%	145
31-2011	Occupational Therapy Assistants	AD	\$40,200	\$50,720	\$55,980	200	270	35.0%	12
43-9061	Office Clerks, General	ST OJT	\$21,600	\$31,700	\$36,740	7440	7610	2.3%	173
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	\$32,770	\$42,370	\$47,170	610	720	18.0%	24
29-2081	Opticians, Dispensing	LT OJT	\$28,600	\$37,790	\$42,380	210	250	19.0%	10
51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	\$22,950	\$33,490	\$38,760	1170	1180	0.9%	28
23-2011	Paralegals & Legal Assistants	AD	\$33,730	\$45,530	\$51,430	480	570	18.8%	18
29-1051	Pharmacists	PROF	\$91,510	\$112,700	\$123,300	480	540	12.5%	17
29-2052	Pharmacy Technicians	MT OJT	\$20,740	\$28,650	\$32,610	770	890	15.6%	20
31-9097	Phlebotomists	PS	\$26,930	\$32,040	\$34,590	220	260	18.2%	8
31-2021	Physical Therapist Assistants	AD	\$41,590	\$49,520	\$53,480	260	340	30.8%	14
29-1071	Physician Assistants	MD	\$64,270	\$88,310	\$100,330	340	370	8.8%	9

## 2016 High Priority Occupations for Lehigh Valley Workforce Development Area

SOC	Occupational Classification	EA	Wages (2015)			Employment			
			Entry Level	Annual Avg	Exper Level	Est 2012	Proj 2022	% Change	Annual Openings
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	\$37,140	\$57,980	\$68,400	760	880	15.8%	22
51-5113	Print Binding & Finishing Workers	ST OJT	\$28,590	\$35,880	\$39,520	160	160	0.0%	3
51-5112	Printing Press Operators	MT OJT	\$27,510	\$39,380	\$45,320	300	280	-6.7%	5
43-5061	Production, Planning & Expediting Clerks	MT OJT	\$31,800	\$47,280	\$55,010	940	1030	9.6%	32
13-1023	Purchasing Agents	BD+	\$38,930	\$61,770	\$73,190	600	650	8.3%	16
29-2034	Radiologic Technologists	AD	\$48,870	\$62,250	\$68,950	610	710	16.4%	19
29-1141	Registered Nurses	BD	\$53,020	\$65,460	\$71,670	6740	8030	19.1%	260
21-1015	Rehabilitation Counselors	MD	\$25,400	\$37,380	\$43,370	150	160	6.7%	5
29-1126	Respiratory Therapists	AD	\$46,620	\$59,930	\$66,590	220	270	22.7%	7
47-5012	Rotary Drill Operators, Oil & Gas	MT OJT	N/A	N/A	N/A	0	0	0.0%	0
11-2022	Sales Managers	BD+	\$67,810	\$132,120	\$164,280	580	610	5.2%	15
41-4012	Sales Representatives	MT OJT	\$38,060	\$65,130	\$78,670	3740	3890	4.0%	87
41-4011	Sales Representatives, Technical & Scientific Products	BD+	\$58,110	\$97,470	\$117,150	610	640	4.9%	15
43-6014	Secretaries	ST OJT	\$23,880	\$33,700	\$38,620	5150	5500	6.8%	97
41-3031	Securities, Commodities & Financial Services Sales Agents	BD+	\$44,470	\$76,430	\$92,410	490	490	0.0%	11
49-2098	Security & Fire Alarm Systems Installers	MT OJT	\$35,530	\$46,480	\$51,960	120	140	16.7%	4
47-2211	Sheet Metal Workers	LT OJT	\$46,320	\$64,500	\$73,590	230	250	8.7%	6
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	\$25,600	\$34,010	\$38,220	2080	2090	0.5%	56
11-9151	Social & Community Service Managers	BD+	\$39,840	\$63,220	\$74,900	220	230	4.5%	6
21-1093	Social & Human Service Assistants	ST OJT	\$22,410	\$29,840	\$33,560	930	1020	9.7%	34
15-1132	Software Developers, Applications	BD	\$64,080	\$97,140	\$113,670	1080	1270	17.6%	32
15-1133	Software Developers, Systems Software	BD	\$59,880	\$92,650	\$109,040	630	710	12.7%	17
47-2221	Structural Iron & Steel Workers	LT OJT	\$38,400	\$55,220	\$63,620	110	120	9.1%	5
21-1011	Substance Abuse & Behavioral Disorder Counselors	BD	\$32,100	\$44,940	\$51,360	410	490	19.5%	17
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	\$47,790	\$69,850	\$80,890	880	1020	15.9%	24
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	\$48,560	\$68,940	\$79,130	690	730	5.8%	23
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	\$37,950	\$57,260	\$66,910	2720	2930	7.7%	86
51-1011	Supervisors - Production & Operating Workers	WK EXP	\$41,350	\$61,720	\$71,910	1250	1240	-0.8%	18

## 2016 High Priority Occupations for Lehigh Valley Workforce Development Area

SOC	Occupational Classification	EA	Wages (2015)			Employment			
			Entry Level	Annual Avg	Exper Level	Est 2012	Proj 2022	% Change	Annual Openings
53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	\$44,470	\$61,140	\$69,470	480	540	12.5%	18
29-2055	Surgical Technologists	PS	\$32,350	\$43,340	\$48,830	170	220	29.4%	6
51-2092	Team Assemblers	MT OJT	\$24,260	\$33,440	\$38,020	2690	2850	5.9%	59
49-9052	Telecommunications Line Installers & Repairers	LT OJT	\$39,840	\$59,170	\$68,840	240	230	-4.2%	6
13-1151	Training & Development Specialists	BD+	\$35,010	\$57,500	\$68,740	520	570	9.6%	14
29-2056	Veterinary Technologists & Technicians	AD	\$27,480	\$34,560	\$38,100	120	170	41.7%	5
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	\$32,780	\$41,430	\$45,750	470	490	4.3%	14

### **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 is 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 degree.