PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
00-0000	**Total, All Occupations**	**#**	**18.64**	**38,770**	**30,800**	**18,940**	**48,680**	**21,130**	**to**	**46,970**
11-0000	**Management Occupations**	**#**	**47.62**	**99,060**	**82,380**	**48,250**	**124,460**	**58,580**	**to**	**119,070**
11-1011	Chief Executives	BD+	83.75	174,210	170,180	85,240	218,690	113,840	to	#
11-1021	General & Operations Managers	BD+	49.45	102,860	84,100	48,510	130,040	59,020	to	124,490
11-1031	Legislators (Includes all local elected officials)	BD+	*	27,520	18,520	17,350	32,600	17,150	to	19,920
11-2021	Marketing Managers	BD+	68.22	141,900	130,260	85,460	170,110	101,280	to	178,590
11-2022	Sales Managers	BD+	65.22	135,660	110,540	65,350	170,820	79,140	to	176,250
11-2031	Public Relations & Fundraising Managers	BD+	39.56	82,290	64,660	47,960	99,450	51,840	to	111,470
11-3011	Administrative Services Managers	BD+	37.43	77,860	69,680	51,070	91,260	55,060	to	94,430
11-3021	Computer & Information Systems Managers	BD+	57.36	119,300	113,650	73,670	142,110	85,080	to	139,860
11-3031	Financial Managers	BD+	60.04	124,870	97,060	70,130	152,240	78,640	to	143,000
11-3051	Industrial Production Managers	BD+	45.95	95,570	90,690	65,360	110,670	72,840	to	111,670
11-3061	Purchasing Managers	BD+	43.61	90,710	83,900	58,410	106,860	67,250	to	110,760
11-3071	Transportation, Storage & Distribution Managers	WK EXP	55.91	116,300	83,430	62,610	143,150	71,130	to	123,700
11-3111	Compensation & Benefits Managers	BD+	54.40	113,150	103,580	66,700	136,380	74,650	to	140,300
11-3121	Human Resources Managers	BD+	46.63	97,000	90,600	64,830	113,080	74,170	to	113,830

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11-3131	Training & Development Managers	BD+	53.38	111,030	113,170	55,240	138,920	75,220 to 152,660
11-9021	Construction Managers	BD	37.46	77,910	66,520	46,160	93,790	51,820 to 97,390
11-9031	Education Administrators, Preschool & Childcare Center/Program	BD+	20.79	43,250	36,930	28,860	50,450	30,830 to 51,450
11-9032	Education Administrators, Elementary & Secondary School	MD+	*	90,740	86,390	64,900	103,660	72,980 to 99,490
11-9033	Education Administrators, Postsecondary	MD+	45.74	95,140	80,020	55,500	114,960	63,000 to 114,130
11-9039	Education Administrators, Other	BD+	35.65	74,150	73,220	58,430	82,010	65,470 to 81,000
11-9041	Architectural & Engineering Managers	BD+	50.03	104,060	102,990	76,930	117,620	85,550 to 123,800
11-9051	Food Service Managers	WK EXP	21.12	43,920	43,580	33,840	48,960	37,300 to 48,910
11-9081	Lodging Managers	WK EXP	19.78	41,150	42,720	31,490	45,980	33,950 to 46,720
11-9111	Medical & Health Services Managers	BD+	42.49	88,380	74,830	57,200	103,980	62,390 to 98,190
11-9121	Natural Sciences Managers	BD+	43.73	90,950	91,390	66,920	102,960	79,880 to 104,250
11-9131	Postmasters & Mail Superintendents	WK EXP	31.75	66,040	65,220	56,540	70,780	60,810 to 73,230
11-9141	Property, Real Estate & Community Association Managers	WK EXP	24.83	51,640	46,760	28,060	63,430	40,470 to 63,500
11-9151	Social & Community Service Managers	BD+	28.84	59,980	55,130	39,180	70,380	43,100 to 70,030
11-9161	Emergency Management Directors	BD+	23.19	48,230	46,280	32,000	56,340	35,100 to 56,750
11-9199	Managers, Other	BD+	47.57	98,960	94,640	65,260	115,800	77,320 to 109,640

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13-0000	**Business & Financial Operations Occupations**	#	**28.30**	**58,860**	**53,790**	**34,490**	**71,040**	**40,780**	**to**	**72,380**
13-1022	Wholesale & Retail Buyers	BD+	24.65	51,280	45,280	29,760	62,040	32,240	to	61,750
13-1023	Purchasing Agents	BD+	27.75	57,710	52,480	38,590	67,280	42,140	to	69,970
13-1041	Compliance Officers	BD	26.65	55,440	54,370	32,190	67,060	40,300	to	67,040
13-1051	Cost Estimators	BD	26.02	54,130	52,320	36,680	62,850	42,110	to	64,070
13-1071	Human Resources Specialists	BD	25.49	53,010	50,380	34,460	62,290	39,450	to	63,370
13-1075	Labor Relations Specialists	BD+	24.11	50,150	47,070	17,140	66,650	18,460	to	75,610
13-1081	Logisticians	BD	28.61	59,520	56,480	36,690	70,930	42,410	to	71,270
13-1111	Management Analysts	BD+	37.29	77,560	73,760	47,990	92,350	57,300	to	92,980
13-1121	Meeting, Convention & Event Planners	BD	20.95	43,570	38,110	27,710	51,490	29,400	to	55,750
13-1131	Fundraisers	BD	24.54	51,040	52,880	36,460	58,320	42,310	to	60,180
13-1141	Compensation, Benefits & Job Analysis Specialists	BD+	27.78	57,790	56,640	38,450	67,460	43,580	to	70,420
13-1151	Training & Development Specialists	BD+	26.45	55,010	52,500	28,630	68,200	35,200	to	73,870
13-1161	Market Research Analysts & Marketing Specialists	BD	27.26	56,690	51,570	32,660	68,710	38,520	to	71,160
13-1199	Business Operations Specialists, Other	BD	27.45	57,110	54,910	35,620	67,850	40,650	to	70,200
13-2011	Accountants & Auditors	BD	29.32	60,990	54,950	38,940	72,010	43,790	to	72,120

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13-2021	Appraisers & Assessors of Real Estate	BD+	26.95	56,060	43,180	29,460	69,360	33,260	to	59,140
13-2031	Budget Analysts	BD	28.63	59,540	58,640	46,410	66,110	52,420	to	64,600
13-2041	Credit Analysts	BD	22.95	47,730	44,120	36,750	53,220	39,840	to	48,470
13-2051	Financial Analysts	BD	34.16	71,050	65,660	46,660	83,240	51,990	to	82,990
13-2052	Personal Financial Advisors	BD+	47.45	98,710	74,360	42,700	126,710	50,270	to	98,970
13-2071	Credit Counselors	BD	19.76	41,110	39,720	33,640	44,840	34,830	to	47,360
13-2072	Loan Officers	BD	28.60	59,490	49,590	34,360	72,050	37,860	to	72,000
13-2081	Tax Examiners & Collectors & Revenue Agents	BD	15.38	31,990	19,900	17,120	39,430	17,650	to	37,780
13-2082	Tax Preparers	MT OJT	19.59	40,750	34,270	25,690	48,290	28,600	to	39,080
13-2099	Financial Specialists, Other	BD	31.74	66,020	60,600	37,150	80,450	51,410	to	85,390
15-0000	**Computer & Mathematical Occupations**	**#**	**30.72**	**63,900**	**59,060**	**38,540**	**76,580**	**45,010**	**to**	**79,110**
15-1121	Computer Systems Analysts	BD	32.40	67,400	61,630	48,250	76,970	52,330	to	82,160
15-1122	Information Security Analysts	BD+	37.72	78,450	75,510	48,860	93,240	56,840	to	97,380
15-1131	Computer Programmers	BD	32.78	68,180	65,860	42,960	80,780	49,390	to	79,610
15-1132	Software Developers, Applications	BD	40.16	83,530	81,770	57,190	96,700	65,420	to	97,880
15-1133	Software Developers, Systems Software	BD	45.42	94,470	80,270	65,820	108,790	69,790	to	102,190

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15-1134	Web Developers	AD	23.85	49,620	49,560	38,870	54,990	42,470	to	57,500
15-1141	Database Administrators	BD+	34.35	71,450	67,500	45,400	84,480	50,320	to	90,990
15-1142	Network & Computer Systems Administrators	BD	29.68	61,740	58,260	41,380	71,920	46,120	to	74,350
15-1143	Computer Network Architects	BD+	38.69	80,470	72,160	56,150	92,630	58,760	to	103,130
15-1151	Computer User Support Specialists	PS	20.86	43,380	42,020	29,430	50,360	32,330	to	51,690
15-1152	Computer Network Support Specialists	AD	27.63	57,470	52,880	37,110	67,650	41,210	to	73,620
15-1199	Computer Occupations, Other	BD	33.46	69,600	70,000	46,260	81,270	53,670	to	81,870
15-2041	Statisticians	MD	36.28	75,460	84,030	39,770	93,310	46,020	to	96,710
17-0000	**Architecture & Engineering Occupations**	**#**	**31.26**	**65,030**	**60,870**	**39,720**	**77,680**	**46,700**	**to**	**78,160**
17-1011	Architects	BD+	35.37	73,570	70,890	41,720	89,490	46,680	to	85,260
17-1022	Surveyors	BD+	23.41	48,680	49,710	30,900	57,570	35,380	to	58,960
17-2041	Chemical Engineers	BD	41.68	86,700	80,640	58,310	100,890	64,090	to	106,280
17-2051	Civil Engineers	BD	33.93	70,570	67,540	50,560	80,570	58,680	to	80,490
17-2061	Computer Hardware Engineers	BD	36.99	76,940	75,840	56,560	87,140	65,430	to	91,730
17-2071	Electrical Engineers	BD	41.51	86,340	82,100	57,460	100,780	66,490	to	98,920
17-2072	Electronics Engineers	BD	40.07	83,340	63,840	50,910	99,550	54,080	to	127,200

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17-2081	Environmental Engineers	BD	29.91	62,210	60,010	43,310	71,660	48,030	to	76,270
17-2111	Health & Safety Engineers	BD	39.11	81,340	78,100	59,550	92,230	65,590	to	100,170
17-2112	Industrial Engineers	BD	34.34	71,440	69,080	51,010	81,650	57,470	to	80,690
17-2131	Materials Engineers	BD	31.14	64,760	57,430	34,500	79,890	38,460	to	88,510
17-2141	Mechanical Engineers	BD	33.28	69,210	66,170	51,340	78,150	55,510	to	79,300
17-2171	Petroleum Engineers	BD	43.89	91,300	73,430	55,860	109,010	57,000	to	119,460
17-2199	Engineers, Other	BD	38.05	79,140	76,790	51,960	92,720	60,240	to	97,020
17-3011	Architectural & Civil Drafters	AD	22.08	45,930	44,700	31,720	53,030	35,930	to	54,360
17-3012	Electrical & Electronics Drafters	AD	25.12	52,250	52,190	37,750	59,500	41,510	to	60,710
17-3013	Mechanical Drafters	AD	22.48	46,770	45,970	34,870	52,720	38,380	to	55,060
17-3022	Civil Engineering Technicians	AD	24.09	50,100	51,290	38,570	55,860	42,920	to	58,870
17-3023	Electrical & Electronic Engineering Technicians	AD	21.45	44,620	41,220	29,980	51,940	33,260	to	51,410
17-3025	Environmental Engineering Technicians	AD	14.48	30,120	27,850	23,430	33,460	24,790	to	30,750
17-3026	Industrial Engineering Technicians	AD	21.53	44,780	43,310	32,200	51,080	36,040	to	50,700
17-3027	Mechanical Engineering Technicians	AD	24.08	50,090	50,070	36,750	56,760	40,570	to	59,820
17-3029	Engineering Technicians, Other	AD	19.95	41,500	42,030	26,250	49,130	28,500	to	49,900

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17-3031	Surveying & Mapping Technicians	MT OJT	22.45	46,700	44,920	35,210	52,440	39,620	to	50,340
19-0000	**Life, Physical & Social Science Occupations**	**#**	**30.51**	**63,470**	**53,820**	**35,410**	**77,500**	**41,140**	**to**	**67,260**
19-1012	Food Scientists & Technologists	BD	24.73	51,440	47,840	32,780	60,770	39,940	to	63,160
19-1023	Zoologists & Wildlife Biologists	BD	30.83	64,120	61,310	51,460	70,450	58,080	to	71,500
19-1031	Conservation Scientists	BD	27.22	56,610	59,680	31,160	69,340	36,080	to	72,540
19-1032	Foresters	BD	31.06	64,600	62,930	50,310	71,750	54,870	to	74,180
19-2031	Chemists	BD	29.74	61,860	57,250	44,620	70,470	51,370	to	62,780
19-2041	Environmental Scientists & Specialists	BD	29.04	60,400	57,890	48,390	66,420	51,370	to	66,170
19-2042	Geoscientists	BD	33.99	70,710	66,970	51,360	80,380	54,930	to	85,250
19-3031	Clinical, Counseling & School Psychologists	PhD	30.77	64,000	57,830	46,950	72,530	49,940	to	68,430
19-3039	Psychologists, Other	MD+	39.14	81,410	86,260	52,200	96,020	57,870	to	100,160
19-3051	Urban & Regional Planners	MD	20.29	42,200	38,370	28,610	49,000	33,110	to	48,320
19-4011	Agricultural & Food Science Technicians	AD+	15.26	31,740	29,460	24,130	35,550	25,460	to	37,140
19-4021	Biological Technicians	BD	23.30	48,460	48,460	32,570	56,410	37,540	to	61,280
19-4031	Chemical Technicians	AD+	21.21	44,110	42,490	30,830	50,750	34,910	to	50,680
19-4091	Environmental Science & Protection Technicians	AD	21.77	45,290	43,850	30,550	52,650	33,970	to	56,140

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19-4093	Forest & Conservation Technicians	AD	20.50	42,640	39,570	29,400	49,260	31,930	to	51,370
19-4099	Life, Physical & Social Science Technicians, Other	AD	20.28	42,190	42,210	32,910	46,820	36,550	to	48,380
21-0000	**Community & Social Services Occupations**	**#**	**18.61**	**38,700**	**35,510**	**25,640**	**45,240**	**29,280**	**to**	**47,040**
21-1011	Substance Abuse & Behavioral Disorder Counselors	BD	17.63	36,670	34,670	24,820	42,600	27,450	to	44,260
21-1012	Educational, Guidance, School & Vocational Counselors	MD	24.16	50,260	48,630	34,960	57,910	39,640	to	59,760
21-1013	Marriage & Family Therapists	MD+	18.72	38,930	36,310	30,040	43,380	32,220	to	42,850
21-1014	Mental Health Counselors	MD+	20.37	42,360	38,790	29,290	48,900	31,950	to	53,700
21-1015	Rehabilitation Counselors	MD	19.38	40,300	36,000	25,930	47,490	28,170	to	51,370
21-1019	Counselors, Other	MD	25.09	52,200	54,910	37,830	59,380	46,010	to	60,020
21-1021	Child, Family & School Social Workers	BD	17.47	36,350	34,530	26,940	41,050	29,160	to	41,550
21-1022	Healthcare Social Workers	MD	22.07	45,900	44,880	33,760	51,970	37,440	to	53,860
21-1023	Mental Health & Substance Abuse Social Workers	BD	15.49	32,220	30,780	26,260	35,200	27,200	to	36,460
21-1029	Social Workers, Other	BD	30.77	64,000	66,350	52,610	69,700	57,320	to	70,260
21-1091	Health Educators	BD	25.15	52,320	51,910	35,000	60,980	38,500	to	67,080
21-1092	Probation Officers & Correctional Treatment Specialists	BD	22.92	47,670	47,220	33,420	54,790	36,550	to	58,220
21-1093	Social & Human Service Assistants	ST OJT	14.27	29,690	31,020	20,040	34,510	22,790	to	35,110

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21-1094	Community Health Workers	ST OJT	18.05	37,550	36,970	28,760	41,950	32,920	to	43,710
21-1099	Community & Social Service Specialists, Other	MD	33.02	68,680	70,010	56,680	74,680	64,730	to	76,380
21-2011	Clergy	BD	19.79	41,160	44,990	21,030	51,230	25,180	to	55,330
21-2021	Directors, Religious Activities & Education	BD+	21.23	44,160	43,590	31,160	50,660	37,690	to	48,220
23-0000	**Legal Occupations**	**#**	**35.42**	**73,670**	**50,350**	**28,680**	**96,170**	**33,160**	**to**	**87,500**
23-1011	Lawyers	PROF	54.16	112,660	88,760	45,040	146,460	56,730	to	153,830
23-1012	Judicial Law Clerks	PhD	14.70	30,580	30,450	22,050	34,840	23,890	to	36,510
23-1021	Administrative Law Judges, Adjudicators & Hearing Officers	PhD	25.01	52,020	45,820	33,250	61,410	36,730	to	66,050
23-2011	Paralegals & Legal Assistants	AD	21.43	44,580	38,710	29,840	51,950	31,700	to	54,410
23-2091	Court Reporters	PS	22.26	46,300	46,520	33,080	52,910	35,400	to	56,980
23-2093	Title Examiners, Abstractors & Searchers	ST OJT	13.70	28,500	25,480	21,040	32,230	22,020	to	31,260
23-2099	Legal Support Workers, Other	ST OJT	25.83	53,730	44,920	40,840	60,170	41,320	to	56,980
25-0000	**Education, Training & Library Occupations**	**#**	**23.79**	**49,490**	**48,660**	**25,410**	**61,520**	**30,280**	**to**	**62,700**
25-1011	Business Teachers, Postsecondary	PhD	*	82,850	68,010	46,320	101,120	52,290	to	97,440
25-1021	Computer Science Teachers, Postsecondary	PhD	*	77,320	76,870	48,910	91,530	56,320	to	94,820
25-1022	Mathematical Science Teachers, Postsecondary	PhD	*	77,770	71,120	47,790	92,760	54,680	to	95,670

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MAY 2015

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25-1042	Biological Science Teachers, Postsecondary	PhD	*	79,870	77,970	55,680	91,970	62,530	to	99,950
25-1051	Atmospheric, Earth, Marine & Space Sciences Teachers, Postsecondary	PhD	*	88,950	89,380	58,050	104,400	70,340	to	109,140
25-1052	Chemistry Teachers, Postsecondary	PhD	*	76,730	72,230	50,930	89,620	55,930	to	94,740
25-1053	Environmental Science Teachers, Postsecondary	PhD	*	71,840	63,220	47,350	84,080	49,820	to	85,230
25-1054	Physics Teachers, Postsecondary	PhD	*	81,320	78,180	52,630	95,670	61,770	to	101,760
25-1063	Economics Teachers, Postsecondary	PhD	*	73,210	72,480	44,500	87,570	48,210	to	93,580
25-1065	Political Science Teachers, Postsecondary	PhD	*	76,440	75,330	55,420	86,960	61,120	to	90,630
25-1066	Psychology Teachers, Postsecondary	PhD	*	80,150	78,230	51,980	94,240	59,330	to	104,150
25-1067	Sociology Teachers, Postsecondary	PhD	*	73,620	62,410	44,300	88,280	49,630	to	89,340
25-1071	Health Specialties Teachers, Postsecondary	PhD	*	93,990	91,380	55,830	113,070	69,260	to	113,590
25-1072	Nursing Instructors & Teachers, Postsecondary	MD+	*	64,780	64,960	46,180	74,080	48,790	to	77,580
25-1081	Education Teachers, Postsecondary	PhD	*	63,600	56,930	41,240	74,780	45,220	to	80,790
25-1121	Art, Drama & Music Teachers, Postsecondary	MD	*	71,260	69,320	45,850	83,960	49,950	to	90,470
25-1122	Communications Teachers, Postsecondary	PhD	*	71,450	70,810	40,580	86,880	46,050	to	96,270
25-1123	English Language & Literature Teachers, Postsecondary	PhD	*	74,180	73,890	41,600	90,480	51,180	to	96,000
25-1124	Foreign Language & Literature Teachers, Postsecondary	PhD	*	69,000	63,060	43,400	81,810	47,760	to	77,040

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)
25-1125	History Teachers, Postsecondary	PhD	*	81,430	81,450	55,480	94,400	63,440 to 100,940
25-1126	Philosophy & Religion Teachers, Postsecondary	PhD	*	73,120	69,620	49,150	85,110	55,100 to 91,060
25-1193	Recreation & Fitness Studies Teachers, Postsecondary	PhD	*	66,650	61,970	43,990	77,970	48,500 to 83,410
25-1194	Vocational Education Teachers, Postsecondary	BD+	29.73	61,850	63,370	44,480	70,530	53,290 to 72,200
25-1199	Postsecondary Teachers, Other	PhD	*	54,650	52,480	32,950	65,500	37,260 to 64,740
25-2011	Preschool Teachers	AD	13.24	27,540	26,260	19,990	31,310	21,560 to 33,030
25-2012	Kindergarten Teachers	BD+	*	51,200	51,890	35,410	59,090	42,830 to 62,510
25-2021	Elementary School Teachers	BD+	*	53,220	54,710	36,420	61,620	44,220 to 64,060
25-2022	Middle School Teachers	BD+	*	54,510	53,920	43,210	60,150	46,330 to 61,070
25-2031	Secondary School Teachers	BD+	*	56,450	57,630	40,580	64,380	46,930 to 68,400
25-2032	Career/Technical Education Teachers, Secondary School	BD+	*	60,240	58,300	46,740	67,000	51,270 to 70,300
25-2052	Special Education Teachers, Kindergarten & Elementary School	BD+	*	59,020	58,270	47,180	64,940	49,980 to 68,200
25-2053	Special Education Teachers, Middle School	BD+	*	63,640	61,660	48,500	71,210	51,600 to 75,120
25-2054	Special Education Teachers, Secondary School	BD+	*	57,040	57,790	44,860	63,120	50,120 to 65,380
25-2059	Special Education Teachers, Other	BD+	*	59,510	58,350	50,750	63,880	51,650 to 65,110
25-3011	Adult Basic & Secondary Education & Literacy Teachers & Instructors	BD+	17.84	37,110	35,950	16,890	47,220	18,210 to 46,360

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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25-3021	Self-Enrichment Education Teachers	WK EXP	19.51	40,570	37,300	26,120	47,800	30,240	to	50,190
25-3097	Teachers & Instructors, Other	BD+	*	39,240	37,400	19,840	48,950	22,060	to	46,930
25-3098	Substitute Teachers	BD	12.76	26,540	26,340	20,240	29,680	22,190	to	29,700
25-4012	Curators	MD	20.44	42,520	40,340	21,570	52,990	22,680	to	63,150
25-4021	Librarians	MD	23.24	48,330	49,160	30,100	57,450	33,160	to	62,110
25-4031	Library Technicians	PS	14.44	30,040	30,730	18,820	35,650	20,560	to	36,840
25-9031	Instructional Coordinators	MD+	22.48	46,770	44,000	33,670	53,320	37,240	to	49,690
25-9041	Teacher Assistants	PS	*	24,010	23,590	17,090	27,480	18,130	to	29,680
25-9099	Education, Training & Library Workers, Other	BD	18.84	39,190	39,710	20,910	48,330	23,290	to	48,460
27-0000	**Arts, Design, Entertainment, Sports & Media Occupations**	**#**	**18.74**	**38,970**	**33,840**	**19,490**	**48,710**	**22,150**	**to**	**49,260**
27-1011	Art Directors	BD+	32.91	68,450	65,500	45,160	80,090	49,500	to	84,640
27-1021	Commercial & Industrial Designers	BD	33.13	68,900	59,760	39,220	83,740	43,040	to	89,380
27-1023	Floral Designers	MT OJT	11.40	23,700	23,420	17,620	26,740	19,180	to	28,340
27-1024	Graphic Designers	BD	21.30	44,310	42,420	27,110	52,920	30,400	to	55,480
27-1025	Interior Designers	BD	21.21	44,110	43,950	28,410	51,960	35,090	to	54,990
27-1026	Merchandise Displayers & Window Trimmers	MT OJT	14.68	30,540	28,680	19,740	35,940	22,100	to	37,090

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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27-2012	Producers & Directors	BD+	14.13	29,380	23,460	21,740	33,200	21,440	to	35,400
27-2022	Coaches & Scouts	BD	*	33,720	22,740	17,160	42,000	18,010	to	44,240
27-2032	Choreographers	WK EXP	19.53	40,620	37,710	33,860	44,000	34,510	to	48,470
27-2041	Music Directors & Composers	BD+	20.19	41,990	42,130	23,190	51,390	24,570	to	52,940
27-3011	Radio & Television Announcers	BD	13.21	27,470	21,960	16,920	32,750	17,740	to	34,600
27-3022	Reporters & Correspondents	BD	15.08	31,380	27,560	19,900	37,110	22,050	to	39,900
27-3031	Public Relations Specialists	BD	25.81	53,690	50,380	31,800	64,640	37,470	to	70,290
27-3041	Editors	BD+	28.41	59,100	47,030	25,240	76,030	31,740	to	83,760
27-3042	Technical Writers	BD+	27.84	57,900	48,990	40,780	66,460	43,350	to	69,380
27-3043	Writers & Authors	BD	21.64	45,010	39,120	29,040	53,000	33,900	to	57,590
27-4011	Audio & Video Equipment Technicians	PS	17.70	36,820	35,510	33,910	38,270	32,970	to	38,060
27-4012	Broadcast Technicians	AD	13.00	27,050	26,660	16,730	32,200	17,400	to	36,500
27-4021	Photographers	LT OJT	14.43	30,010	26,720	22,130	33,960	23,260	to	30,500
29-0000	**Healthcare Practitioners & Technical Occupations**	**#**	**32.08**	**66,730**	**52,310**	**32,250**	**83,960**	**38,260**	**to**	**69,740**
29-1011	Chiropractors	PROF	28.42	59,120	51,550	24,640	76,360	27,460	to	68,570
29-1031	Dietitians & Nutritionists	BD	26.41	54,930	56,340	43,420	60,680	50,670	to	62,160

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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29-1041	Optometrists	PROF	56.66	117,860	104,520	67,130	143,220	89,860	to	128,240
29-1051	Pharmacists	PROF	48.90	101,710	109,090	69,560	117,780	93,950	to	119,500
29-1061	Anesthesiologists	PROF	108.10	224,840	#	#	#	156,670	to	#
29-1062	Family & General Practitioners	PROF	93.74	194,980	186,140	109,330	237,810	143,710	to	#
29-1066	Psychiatrists	PROF	96.28	200,260	#	95,970	252,400	150,160	to	#
29-1067	Surgeons	PROF	120.75	251,150	#	#	#	192,880	to	#
29-1069	Physicians & Surgeons, Other	PROF	91.55	190,430	191,500	74,800	248,240	101,370	to	#
29-1071	Physician Assistants	MD	39.47	82,100	84,580	64,050	91,120	72,550	to	95,720
29-1081	Podiatrists	PROF	84.23	175,200	139,140	78,840	223,380	108,500	to	#
29-1122	Occupational Therapists	MD	37.37	77,720	79,240	63,670	84,750	67,470	to	90,750
29-1123	Physical Therapists	PhD	39.53	82,220	73,960	50,890	97,880	58,650	to	91,950
29-1125	Recreational Therapists	BD	20.34	42,300	42,050	28,110	49,400	30,270	to	53,620
29-1126	Respiratory Therapists	AD	23.85	49,600	48,960	39,000	54,910	41,680	to	57,410
29-1127	Speech-Language Pathologists	MD	36.44	75,790	77,910	57,500	84,940	63,810	to	90,320
29-1131	Veterinarians	PROF	48.68	101,250	93,690	75,480	114,130	81,850	to	130,030
29-1141	Registered Nurses	BD	26.87	55,890	55,600	43,450	62,120	47,790	to	62,380

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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29-1151	Nurse Anesthetists	MD	65.40	136,030	129,300	110,200	148,950	113,490	to	146,190
29-1171	Nurse Practitioners	MD	40.35	83,930	85,580	65,100	93,350	73,810	to	95,140
29-1181	Audiologists	PhD	28.08	58,410	62,980	41,090	67,070	46,480	to	71,050
29-2011	Medical & Clinical Laboratory Technologists	BD	25.28	52,590	53,520	40,810	58,480	45,530	to	59,690
29-2012	Medical & Clinical Laboratory Technicians	AD	16.83	35,000	33,980	24,380	40,310	27,210	to	39,870
29-2021	Dental Hygienists	AD	26.27	54,650	54,910	43,820	60,060	47,930	to	60,320
29-2031	Cardiovascular Technologists & Technicians	AD	20.88	43,440	40,690	26,440	51,940	29,000	to	55,920
29-2032	Diagnostic Medical Sonographers	AD	29.41	61,160	58,530	47,090	68,200	50,610	to	70,620
29-2033	Nuclear Medicine Technologists	AD	28.55	59,380	56,890	49,170	64,490	51,630	to	62,150
29-2034	Radiologic Technologists	AD	22.53	46,870	45,230	36,900	51,850	39,170	to	53,120
29-2035	Magnetic Resonance Imaging Technologists	AD+	27.28	56,750	55,220	45,900	62,180	49,040	to	61,080
29-2041	Emergency Medical Technicians & Paramedics	PS	12.23	25,440	24,250	18,720	28,810	20,070	to	29,300
29-2052	Pharmacy Technicians	MT OJT	13.60	28,300	27,680	21,140	31,880	23,890	to	30,920
29-2053	Psychiatric Technicians	PS	15.07	31,360	29,310	25,490	34,290	26,290	to	35,890
29-2055	Surgical Technologists	PS	16.59	34,500	33,890	27,040	38,240	29,240	to	38,040
29-2056	Veterinary Technologists & Technicians	AD	13.70	28,490	25,710	18,680	33,400	20,370	to	30,520

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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29-2061	Licensed Practical & Licensed Vocational Nurses	PS	18.56	38,600	37,280	31,950	41,920	33,100	to	44,090
29-2071	Medical Records & Health Information Technicians	PS	16.12	33,520	32,340	24,920	37,830	26,760	to	39,610
29-2081	Opticians, Dispensing	LT OJT	14.89	30,980	29,330	22,060	35,440	24,770	to	36,780
29-2091	Orthotists & Prosthetists	MD+	31.72	65,980	57,650	40,540	78,690	45,650	to	64,100
29-2092	Hearing Aid Specialists	ST OJT	24.38	50,710	51,330	38,670	56,730	42,210	to	59,850
29-9011	Occupational Health & Safety Specialists	BD	32.69	68,000	69,640	46,620	78,690	55,090	to	83,460
29-9012	Occupational Health & Safety Technicians	MT OJT	20.69	43,030	40,590	30,840	49,120	34,190	to	54,100
29-9091	Athletic Trainers	BD	*	44,180	42,160	34,930	48,810	36,520	to	48,470
31-0000	**Healthcare Support Occupations**	**#**	**12.01**	**24,980**	**23,700**	**18,320**	**28,310**	**19,700**	**to**	**29,000**
31-1011	Home Health Aides	ST OJT	9.97	20,730	19,850	17,100	22,550	17,680	to	23,540
31-1013	Psychiatric Aides	ST OJT	13.78	28,660	27,250	20,250	32,860	22,380	to	33,230
31-1014	Nursing Assistants	PS	12.42	25,840	25,670	20,430	28,540	21,800	to	29,540
31-2011	Occupational Therapy Assistants	AD	21.79	45,320	43,610	33,860	51,060	37,270	to	51,800
31-2021	Physical Therapist Assistants	AD	19.88	41,360	39,640	32,940	45,560	34,650	to	46,830
31-2022	Physical Therapist Aides	ST OJT	9.96	20,710	20,360	17,140	22,500	17,960	to	23,220
31-9011	Massage Therapists	PS	11.79	24,530	18,110	16,930	28,330	16,750	to	19,470

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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31-9091	Dental Assistants	PS	14.23	29,600	29,280	24,000	32,390	25,390	to	34,350
31-9092	Medical Assistants	PS	12.83	26,690	25,640	20,600	29,740	21,880	to	30,600
31-9093	Medical Equipment Preparers	MT OJT	13.43	27,930	27,440	22,020	30,880	23,570	to	31,220
31-9094	Medical Transcriptionists	PS	15.66	32,560	32,150	25,870	35,910	27,750	to	37,280
31-9095	Pharmacy Aides	ST OJT	10.29	21,400	21,860	20,090	22,060	20,340	to	23,390
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	11.28	23,470	20,640	16,920	26,750	17,740	to	24,900
31-9097	Phlebotomists	PS	13.27	27,610	27,520	23,570	29,630	24,930	to	30,090
31-9099	Healthcare Support Workers, Other	ST OJT	18.28	38,020	39,180	31,140	41,470	33,000	to	41,540
33-0000	**Protective Service Occupations**	**#**	**21.77**	**45,280**	**41,930**	**19,780**	**58,040**	**22,670**	**to**	**64,270**
33-1011	Supervisors - Correctional Officers	WK EXP	34.56	71,880	73,500	54,520	80,560	63,580	to	81,200
33-1012	Supervisors - Police & Detectives	WK EXP	33.06	68,760	62,400	43,310	81,480	47,380	to	91,160
33-1021	Supervisors - Fire Fighting & Prevention	PS+	31.17	64,840	63,930	51,840	71,340	54,860	to	75,160
33-1099	Supervisors - Protective Service Workers, Other	WK EXP	21.91	45,580	40,030	28,960	53,890	30,550	to	58,740
33-2011	Firefighters	PS+	27.81	57,840	64,550	37,120	68,200	46,360	to	71,590
33-3012	Correctional Officers & Jailers	MT OJT	23.84	49,600	49,970	34,150	57,320	38,590	to	62,320
33-3021	Detectives & Criminal Investigators	WK EXP	34.54	71,840	74,870	50,220	82,660	57,540	to	79,550

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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33-3041	Parking Enforcement Workers	ST OJT	12.54	26,090	26,140	20,850	28,710	22,440	to	29,580
33-3051	Police & Sheriff's Patrol Officers	MT OJT	32.10	66,760	68,800	43,700	78,300	53,830	to	83,050
33-9011	Animal Control Workers	MT OJT	17.93	37,290	41,630	19,700	46,080	22,260	to	46,770
33-9032	Security Guards	ST OJT	10.92	22,710	20,730	16,910	25,610	17,740	to	24,800
33-9091	Crossing Guards	ST OJT	10.03	20,860	18,340	17,050	22,760	16,920	to	19,900
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	9.84	20,480	18,980	16,900	22,260	17,140	to	25,070
33-9093	Transportation Security Screeners	ST OJT	17.52	36,450	35,830	31,200	39,080	31,210	to	38,970
33-9099	Protective Service Workers, Other	ST OJT	16.18	33,660	41,920	17,730	41,620	19,190	to	41,930
35-0000	**Food Preparation & Serving Related Occupations**	**#**	**9.60**	**19,980**	**18,470**	**16,980**	**21,480**	**16,930**	**to**	**21,240**
35-1011	Chefs & Head Cooks	WK EXP	19.71	41,000	37,160	27,050	47,970	28,840	to	46,470
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	14.97	31,130	28,430	20,470	36,460	22,310	to	37,140
35-2011	Cooks, Fast Food	ST OJT	8.27	17,190	17,690	17,040	17,270	16,590	to	18,790
35-2012	Cooks, Institution & Cafeteria	ST OJT	11.35	23,610	22,690	17,960	26,430	19,300	to	27,440
35-2014	Cooks, Restaurant	WK EXP	10.04	20,870	19,880	16,990	22,810	17,640	to	23,570
35-2015	Cooks, Short Order	ST OJT	9.20	19,140	18,340	17,000	20,200	16,860	to	20,700
35-2021	Food Preparation Workers	ST OJT	9.71	20,190	19,060	16,970	21,800	17,220	to	22,940

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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35-3011	Bartenders	ST OJT	8.68	18,050	17,930	16,980	18,590	16,670	to	19,180
35-3021	Combined Food Preparation & Serving Workers	ST OJT	8.69	18,070	17,810	16,930	18,640	16,570	to	19,050
35-3022	Counter Attendants, Cafeteria, Food Concession & Coffee Shop	ST OJT	8.84	18,380	18,180	17,090	19,020	16,870	to	19,500
35-3031	Waiters & Waitresses	ST OJT	9.24	19,220	18,340	17,020	20,320	16,900	to	19,990
35-3041	Food Servers, Nonrestaurant	ST OJT	9.42	19,590	18,730	16,950	20,910	17,030	to	21,890
35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	8.79	18,290	18,190	16,990	18,940	16,820	to	19,640
35-9021	Dishwashers	ST OJT	8.46	17,590	17,810	17,000	17,890	16,620	to	19,000
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	8.92	18,550	17,970	16,970	19,340	16,680	to	19,270
37-0000	**Building & Grounds Cleaning & Maintenance Occupations**	**#**	**11.08**	**23,050**	**20,830**	**16,940**	**26,100**	**17,780**	**to**	**27,070**
37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	17.06	35,490	34,280	25,260	40,600	28,280	to	41,390
37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	16.19	33,680	29,700	22,220	39,410	23,500	to	38,490
37-2011	Janitors & Cleaners	ST OJT	11.26	23,420	21,120	16,910	26,680	17,760	to	28,780
37-2012	Maids & Housekeeping Cleaners	ST OJT	9.49	19,740	18,910	16,970	21,120	17,160	to	22,210
37-2021	Pest Control Workers	MT OJT	14.57	30,310	30,610	24,560	33,190	26,760	to	35,530
37-3011	Landscaping & Groundskeeping Workers	ST OJT	10.83	22,520	21,180	16,960	25,300	18,080	to	24,980
39-0000	**Personal Care & Service Occupations**	**#**	**10.95**	**22,780**	**21,090**	**16,960**	**25,680**	**18,060**	**to**	**24,730**

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
39-1021	Supervisors - Personal Service Workers	WK EXP	17.06	35,480	33,320	25,690	40,380	27,870	to	39,990
39-2021	Nonfarm Animal Caretakers	ST OJT	9.44	19,620	18,380	17,010	20,940	16,920	to	20,380
39-3031	Ushers, Lobby Attendants & Ticket Takers	ST OJT	8.73	18,170	18,100	16,980	18,760	16,770	to	19,480
39-3091	Amusement & Recreation Attendants	ST OJT	9.03	18,790	18,090	16,950	19,710	16,760	to	19,420
39-3093	Locker Room, Coatroom & Dressing Room Attendants	ST OJT	8.13	16,920	17,300	16,920	16,920	16,250	to	18,350
39-4031	Morticians, Undertakers & Funeral Directors	AD+	28.68	59,660	58,610	56,020	61,480	54,320	to	63,130
39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	12.28	25,550	25,340	16,950	29,850	18,440	to	29,930
39-5092	Manicurists & Pedicurists	PS	9.73	20,240	20,520	17,010	21,850	18,230	to	22,770
39-7011	Tour Guides & Escorts	MT OJT	9.22	19,170	19,290	17,160	20,170	17,470	to	21,680
39-9011	Childcare Workers	ST OJT	9.42	19,600	18,620	16,990	20,900	17,020	to	21,530
39-9021	Personal Care Aides	ST OJT	10.47	21,780	21,550	17,410	23,960	18,870	to	24,010
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	13.41	27,890	22,630	16,970	33,350	18,190	to	34,350
39-9032	Recreation Workers	ST OJT	11.89	24,730	22,190	17,000	28,590	18,380	to	28,660
39-9041	Residential Advisors	ST OJT	11.67	24,270	22,480	17,880	27,460	19,360	to	27,440
41-0000	**Sales & Related Occupations**	**#**	**15.01**	**31,220**	**22,570**	**17,100**	**38,280**	**18,190**	**to**	**34,880**
41-1011	Supervisors - Retail Sales Workers	WK EXP	19.71	41,000	36,300	26,360	48,330	28,970	to	48,630

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	37.56	78,120	72,170	46,780	93,780	54,390	to	95,140
41-2011	Cashiers	ST OJT	9.08	18,900	18,360	17,090	19,800	16,950	to	20,000
41-2021	Counter & Rental Clerks	ST OJT	12.35	25,690	22,990	17,220	29,930	18,660	to	30,560
41-2022	Parts Salespersons	MT OJT	14.89	30,980	28,820	20,100	36,420	22,570	to	36,820
41-2031	Retail Salespersons	ST OJT	11.37	23,660	20,680	17,120	26,930	17,950	to	26,160
41-3011	Advertising Sales Agents	MT OJT	18.00	37,440	32,820	25,170	43,570	27,220	to	46,540
41-3021	Insurance Sales Agents	MT OJT	32.94	68,520	48,630	28,560	88,500	33,850	to	88,740
41-3031	Securities, Commodities & Financial Services Sales Agents	BD+	45.56	94,770	73,550	33,370	125,470	40,270	to	123,490
41-3041	Travel Agents	MT OJT	14.48	30,120	29,870	20,220	35,080	23,640	to	36,380
41-3099	Sales Representatives, Other Services	MT OJT	24.01	49,930	45,200	26,490	61,660	32,550	to	61,290
41-4011	Sales Representatives, Technical & Scientific Products	BD+	36.89	76,740	62,710	47,860	91,180	52,720	to	94,020
41-4012	Sales Representatives	MT OJT	28.18	58,600	48,810	30,840	72,490	34,790	to	72,360
41-9022	Real Estate Sales Agents	MT OJT	25.13	52,270	46,170	33,710	61,550	36,770	to	59,250
41-9031	Sales Engineers	BD+	36.51	75,940	75,100	50,570	88,630	57,910	to	92,940
41-9041	Telemarketers	ST OJT	8.77	18,240	17,830	16,800	18,950	16,510	to	19,150
41-9099	Sales & Related Workers, Other	ST OJT	16.64	34,620	31,160	19,840	42,000	22,250	to	44,050

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
43-0000	**Office & Administrative Support Occupations**	#	**15.16**	**31,530**	**28,950**	**19,680**	**37,460**	**22,140**	**to**	**37,880**
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	23.90	49,710	46,940	30,850	59,140	35,940	to	59,730
43-2011	Switchboard Operators	ST OJT	11.92	24,780	23,650	19,560	27,400	20,720	to	27,980
43-3011	Bill & Account Collectors	MT OJT	16.06	33,410	31,680	23,930	38,150	26,570	to	40,760
43-3021	Billing & Posting Clerks	MT OJT	15.69	32,640	31,510	23,510	37,200	26,120	to	38,040
43-3031	Bookkeeping, Accounting & Auditing Clerks	PS+	14.99	31,180	30,080	20,790	36,380	23,600	to	37,390
43-3051	Payroll & Timekeeping Clerks	MT OJT	17.16	35,680	34,500	26,480	40,290	28,730	to	41,300
43-3061	Procurement Clerks	MT OJT	18.08	37,600	36,810	23,110	44,850	27,540	to	46,660
43-3071	Tellers	ST OJT	11.57	24,060	23,510	21,110	25,540	21,350	to	26,710
43-4011	Brokerage Clerks	MT OJT	19.93	41,460	39,640	35,650	44,360	35,770	to	46,580
43-4031	Court, Municipal & License Clerks	MT OJT	14.96	31,110	29,070	21,240	36,050	23,450	to	36,650
43-4041	Credit Authorizers, Checkers & Clerks	MT OJT	17.48	36,360	35,140	28,570	40,250	30,190	to	41,430
43-4051	Customer Service Representatives	ST OJT	15.55	32,340	30,540	21,310	37,860	23,740	to	38,610
43-4061	Eligibility Interviewers, Government Programs	MT OJT	21.42	44,560	44,110	34,540	49,560	35,950	to	51,490
43-4071	File Clerks	ST OJT	13.12	27,290	25,780	19,940	30,960	21,410	to	32,650
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	8.84	18,390	18,310	17,060	19,060	16,920	to	19,830

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
43-4111	Interviewers	ST OJT	15.23	31,690	32,210	21,300	36,880	23,720	to	37,940
43-4121	Library Assistants, Clerical	ST OJT	11.30	23,510	22,040	17,040	26,750	17,850	to	28,270
43-4131	Loan Interviewers & Clerks	ST OJT	15.67	32,600	34,150	22,120	37,840	27,120	to	38,030
43-4141	New Accounts Clerks	MT OJT	16.36	34,040	34,300	23,920	39,100	26,180	to	42,690
43-4161	Human Resources Assistants	AD	18.35	38,160	37,360	30,120	42,180	32,520	to	44,320
43-4171	Receptionists & Information Clerks	ST OJT	11.72	24,380	23,520	18,110	27,520	19,450	to	28,720
43-4199	Information & Record Clerks, Other	ST OJT	18.16	37,780	38,340	28,030	42,660	31,530	to	44,830
43-5011	Cargo & Freight Agents	ST OJT	22.26	46,310	45,450	26,570	56,180	29,250	to	58,380
43-5021	Couriers & Messengers	ST OJT	11.52	23,950	23,250	21,110	25,370	21,150	to	26,520
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	15.48	32,200	29,940	22,810	36,890	24,960	to	38,960
43-5032	Dispatchers	MT OJT	17.72	36,850	34,610	24,860	42,840	26,980	to	45,720
43-5041	Meter Readers, Utilities	ST OJT	19.12	39,780	37,960	20,400	49,470	22,920	to	56,460
43-5051	Postal Service Clerks	ST OJT	21.56	44,840	39,810	30,690	51,910	32,530	to	57,970
43-5052	Postal Service Mail Carriers	ST OJT	23.11	48,080	49,670	34,870	54,680	34,650	to	59,280
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	ST OJT	26.67	55,460	56,790	52,330	57,040	55,700	to	56,800
43-5061	Production, Planning & Expediting Clerks	MT OJT	22.86	47,550	46,420	28,790	56,930	34,520	to	58,760

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	15.01	31,220	30,460	22,400	35,630	24,610	to	36,870
43-5081	Stock Clerks & Order Fillers	ST OJT	11.08	23,050	20,250	17,100	26,020	17,730	to	27,140
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	14.37	29,880	30,220	18,730	35,460	20,650	to	36,940
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	23.10	48,060	46,550	35,480	54,340	39,080	to	56,870
43-6012	Legal Secretaries	MT OJT	13.66	28,420	25,220	19,010	33,130	20,490	to	34,580
43-6013	Medical Secretaries	MT OJT	14.06	29,250	28,520	23,700	32,020	25,310	to	32,550
43-6014	Secretaries	ST OJT	14.51	30,170	28,840	20,530	34,990	23,090	to	36,050
43-9011	Computer Operators	MT OJT	18.27	38,000	36,360	24,720	44,640	27,100	to	49,900
43-9021	Data Entry Keyers	MT OJT	13.67	28,430	27,790	20,200	32,540	22,280	to	34,310
43-9022	Word Processors & Typists	ST OJT	16.48	34,270	33,790	27,160	37,820	30,870	to	38,140
43-9031	Desktop Publishers	AD	15.45	32,140	29,160	21,050	37,680	25,040	to	36,540
43-9051	Mail Clerks & Mail Machine Operators	ST OJT	14.09	29,310	29,560	21,150	33,390	24,190	to	35,230
43-9061	Office Clerks, General	ST OJT	13.34	27,750	25,990	19,290	31,980	20,960	to	32,120
43-9071	Office Machine Operators	ST OJT	13.68	28,460	27,730	18,830	33,280	20,540	to	35,040
43-9081	Proofreaders & Copy Markers	BD	14.22	29,570	25,650	20,260	34,220	21,490	to	36,170
43-9111	Statistical Assistants	BD	23.37	48,610	48,160	40,120	52,850	42,280	to	55,980

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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43-9199	Office & Administrative Support Workers, Other	ST OJT	12.76	26,540	26,810	17,560	31,040	19,140	to	30,770
45-0000	**Farming, Fishing & Forestry Occupations**	**#**	**15.50**	**32,240**	**28,430**	**20,330**	**38,200**	**22,550**	**to**	**41,370**
45-1011	Farm & Forestry Worker Supervisors	WK EXP	21.57	44,860	39,440	27,940	53,320	28,850	to	57,560
45-2092	Farmworkers & Laborers, Crop, Nursery & Greenhouse	ST OJT	10.38	21,580	21,210	16,920	23,920	18,320	to	23,910
45-4022	Logging Equipment Operators	MT OJT	16.49	34,300	34,640	23,280	39,810	24,630	to	44,110
45-4023	Log Graders & Scalers	MT OJT	13.48	28,040	27,580	25,110	29,510	25,650	to	29,520
47-0000	**Construction & Extraction Occupations**	**#**	**20.01**	**41,620**	**39,150**	**26,120**	**49,370**	**29,890**	**to**	**51,400**
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	28.48	59,240	56,980	42,950	67,380	47,990	to	68,620
47-2031	Carpenters	LT OJT	18.97	39,460	36,420	26,410	45,980	29,180	to	49,280
47-2041	Carpet Installers	ST OJT	14.04	29,200	31,200	21,370	33,110	23,210	to	35,210
47-2044	Tile & Marble Setters	LT OJT	14.74	30,670	23,770	22,160	34,920	21,780	to	30,520
47-2051	Cement Masons & Concrete Finishers	MT OJT	18.96	39,440	37,050	29,590	44,380	31,900	to	47,670
47-2061	Construction Laborers	ST OJT	15.05	31,300	28,860	20,700	36,590	22,440	to	38,800
47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	15.27	31,760	29,160	25,840	34,710	26,440	to	34,040
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	20.04	41,680	41,170	31,550	46,740	34,240	to	47,520
47-2081	Drywall & Ceiling Tile Installers	MT OJT	15.92	33,100	33,160	27,870	35,720	29,230	to	36,830

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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47-2111	Electricians	LT OJT	26.68	55,500	56,530	39,110	63,690	46,220	to	66,970
47-2121	Glaziers	LT OJT	15.73	32,720	33,770	23,520	37,320	25,650	to	37,540
47-2141	Painters, Construction & Maintenance	MT OJT	13.84	28,780	27,690	18,900	33,720	20,890	to	35,440
47-2151	Pipelayers	ST OJT	21.41	44,540	42,730	35,180	49,220	36,860	to	49,470
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	24.62	51,220	48,060	32,310	60,670	37,300	to	61,540
47-2181	Roofers	MT OJT	19.56	40,680	38,680	32,120	44,970	33,620	to	47,760
47-2211	Sheet Metal Workers	LT OJT	24.45	50,850	51,510	31,680	60,440	35,020	to	65,430
47-2221	Structural Iron & Steel Workers	LT OJT	21.25	44,200	44,250	32,880	49,860	36,750	to	49,700
47-3013	Helpers--Electricians	ST OJT	11.55	24,030	22,720	21,660	25,220	21,030	to	24,420
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	15.47	32,170	33,700	25,870	35,320	29,250	to	36,730
47-4011	Construction & Building Inspectors	WK EXP	23.56	49,010	51,160	36,850	55,100	40,280	to	58,080
47-4051	Highway Maintenance Workers	MT OJT	16.86	35,070	34,950	23,830	40,690	27,790	to	42,900
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	MT OJT	20.33	42,280	43,690	28,660	49,090	33,820	to	52,650
47-5012	Rotary Drill Operators, Oil & Gas	MT OJT	23.69	49,270	52,020	29,350	59,230	32,010	to	59,590
47-5013	Service Unit Operators, Oil, Gas & Mining	MT OJT	18.46	38,400	38,700	28,000	43,600	30,720	to	45,960
47-5071	Roustabouts, Oil & Gas	MT OJT	17.48	36,360	34,250	26,230	41,430	28,630	to	41,160

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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49-0000	**Installation, Maintenance & Repair Occupations**	**#**	**19.06**	**39,650**	**37,100**	**23,910**	**47,520**	**27,790**	**to**	**48,980**
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	29.50	61,370	59,780	43,720	70,190	48,520	to	73,070
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	16.78	34,910	34,660	23,780	40,480	27,000	to	43,480
49-2022	Telecommunications Equipment Installers & Repairers	PS+	25.41	52,860	53,900	31,860	63,360	35,940	to	66,890
49-2092	Electric Motor, Power Tool & Related Repairers	PS+	18.55	38,580	36,720	28,660	43,540	30,710	to	45,420
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	PS+	22.83	47,480	50,240	35,700	53,380	40,570	to	56,660
49-2097	Electronic Home Entertainment Equipment Installers & Repairers	PS	20.38	42,400	44,490	37,200	45,000	41,180	to	47,790
49-2098	Security & Fire Alarm Systems Installers	MT OJT	17.61	36,630	35,720	24,780	42,560	26,490	to	46,200
49-3021	Automotive Body & Related Repairers	LT OJT	16.02	33,320	31,680	25,430	37,270	27,430	to	38,360
49-3023	Automotive Service Technicians & Mechanics	PS	16.09	33,460	29,800	22,700	38,840	25,070	to	39,320
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	18.71	38,920	38,340	29,350	43,700	31,670	to	45,640
49-3041	Farm Equipment Mechanics & Service Technicians	LT OJT	12.42	25,820	26,940	17,760	29,860	19,040	to	30,690
49-3042	Mobile Heavy Equipment Mechanics	LT OJT	23.68	49,260	48,540	34,500	56,640	39,760	to	55,880
49-3051	Motorboat Mechanics & Service Technicians	LT OJT	21.49	44,700	42,950	35,480	49,310	37,290	to	49,030
49-3052	Motorcycle Mechanics	PS	15.31	31,840	29,460	27,100	34,210	27,050	to	33,380
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	MT OJT	13.42	27,920	28,260	19,060	32,350	20,980	to	34,320

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
49-3092	Recreational Vehicle Service Technicians	LT OJT	13.57	28,230	27,810	22,290	31,200	23,640	to	32,820
49-3093	Tire Repairers & Changers	ST OJT	15.43	32,100	29,970	21,500	37,400	25,040	to	42,540
49-9012	Control & Valve Installers & Repairers	MT OJT	27.21	56,590	57,360	41,350	64,210	45,430	to	69,600
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS+	21.52	44,760	44,950	31,140	51,570	35,170	to	55,370
49-9031	Home Appliance Repairers	MT OJT	15.48	32,200	32,680	19,690	38,440	21,700	to	42,900
49-9041	Industrial Machinery Mechanics	LT OJT	23.38	48,630	48,680	34,760	55,560	39,250	to	58,290
49-9043	Maintenance Workers, Machinery	MT OJT	19.29	40,130	39,490	30,420	44,980	33,180	to	46,710
49-9044	Millwrights	LT OJT	25.68	53,420	50,100	35,470	62,390	38,790	to	69,720
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	33.85	70,410	71,560	62,680	74,270	66,090	to	77,030
49-9052	Telecommunications Line Installers & Repairers	LT OJT	22.90	47,630	38,860	27,330	57,780	31,260	to	68,560
49-9062	Medical Equipment Repairers	AD	21.34	44,390	41,770	30,870	51,150	33,650	to	53,230
49-9071	Maintenance & Repair Workers, General	LT OJT	15.79	32,840	32,330	20,810	38,850	23,700	to	40,330
49-9094	Locksmiths & Safe Repairers	LT OJT	14.98	31,150	34,150	17,030	38,220	17,900	to	42,020
49-9098	Helpers--Installation, Maintenance & Repair Workers	ST OJT	16.35	34,010	30,960	18,620	41,710	20,120	to	49,760
49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	16.35	34,020	29,990	20,360	40,840	22,420	to	45,030
51-0000	**Production Occupations**	**#**	**16.96**	**35,280**	**33,570**	**22,670**	**41,580**	**25,520**	**to**	**42,750**

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
51-1011	Supervisors - Production & Operating Workers	WK EXP	25.68	53,410	50,320	38,100	61,070	42,100	to	63,070
51-2021	Coil Winders, Tapers & Finishers	MT OJT	16.09	33,460	34,660	22,210	39,080	23,700	to	40,780
51-2022	Electrical & Electronic Equipment Assemblers	MT OJT	11.87	24,690	22,850	17,310	28,380	18,740	to	29,020
51-2031	Engine & Other Machine Assemblers	MT OJT	15.18	31,560	30,910	25,470	34,610	26,690	to	36,260
51-2041	Structural Metal Fabricators & Fitters	MT OJT	18.96	39,430	39,910	25,680	46,300	28,880	to	47,480
51-2092	Team Assemblers	MT OJT	14.30	29,740	27,380	19,590	34,820	21,590	to	36,390
51-2099	Assemblers & Fabricators, Other	MT OJT	14.31	29,760	27,600	19,720	34,780	22,010	to	35,210
51-3011	Bakers	LT OJT	12.20	25,370	23,420	17,760	29,170	19,230	to	29,500
51-3021	Butchers & Meat Cutters	LT OJT	16.34	34,000	33,980	24,030	38,980	26,960	to	39,220
51-3022	Meat, Poultry & Fish Cutters & Trimmers	ST OJT	11.21	23,310	22,140	17,280	26,320	18,650	to	27,620
51-3023	Slaughterers & Meat Packers	ST OJT	13.84	28,800	27,140	19,180	33,600	20,740	to	35,980
51-3092	Food Batchmakers	MT OJT	12.82	26,660	25,990	17,410	31,280	19,030	to	34,280
51-3093	Food Cooking Machine Operators & Tenders	MT OJT	13.96	29,040	30,200	19,090	34,020	21,160	to	35,910
51-3099	Food Processing Workers, Other	MT OJT	12.10	25,180	25,570	21,500	27,010	22,370	to	28,480
51-4011	Computer-Controlled Machine Tool Operators, Metal & Plastic	MT OJT	17.11	35,580	34,410	24,750	41,000	27,330	to	42,600
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal & Plastic	LT OJT	20.32	42,280	42,070	29,980	48,420	33,830	to	48,560

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
51-4021	Extruding & Drawing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	14.74	30,650	29,460	19,850	36,050	22,080	to	37,710
51-4022	Forging Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	21.99	45,740	45,600	39,340	48,940	41,090	to	50,270
51-4023	Rolling Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	17.12	35,600	34,850	26,410	40,200	28,230	to	43,360
51-4031	Cutting, Punching & Press Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	14.74	30,670	29,690	21,320	35,340	23,900	to	36,990
51-4032	Drilling & Boring Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	18.55	38,590	37,140	28,160	43,810	30,660	to	46,400
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	16.63	34,600	34,630	23,030	40,380	25,270	to	38,950
51-4034	Lathe & Turning Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	17.52	36,450	36,040	29,820	39,770	32,180	to	40,190
51-4035	Milling & Planing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	23.18	48,220	45,470	34,370	55,140	39,120	to	62,940
51-4041	Machinists	LT OJT	17.97	37,380	36,560	26,810	42,670	29,990	to	44,510
51-4051	Metal-Refining Furnace Operators & Tenders	MT OJT	18.79	39,080	38,300	30,720	43,260	33,490	to	45,790
51-4052	Pourers & Casters, Metal	MT OJT	15.67	32,580	32,040	25,080	36,340	26,770	to	37,600
51-4061	Model Makers, Metal & Plastic	MT OJT	22.42	46,640	51,620	31,780	54,070	35,100	to	57,640
51-4071	Foundry Mold & Coremakers	MT OJT	17.08	35,530	34,780	27,150	39,720	28,610	to	43,260
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	15.65	32,560	32,320	22,810	37,440	24,850	to	38,390
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	14.38	29,900	29,250	19,660	35,020	22,410	to	36,620
51-4111	Tool & Die Makers	LT OJT	22.34	46,460	46,240	36,020	51,680	39,660	to	54,370

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	17.40	36,200	35,330	27,500	40,550	30,160	to	40,240
51-4122	Welding, Soldering & Brazing Machine Setters, Operators & Tenders	MT OJT	15.98	33,250	33,360	24,470	37,640	26,550	to	39,310
51-4191	Heat Treating Equipment Setters, Operators & Tenders, Metal & Plastic	MT OJT	17.82	37,060	37,060	27,290	41,940	30,680	to	44,530
51-4193	Plating & Coating Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	18.86	39,220	38,090	26,480	45,590	28,520	to	50,440
51-4194	Tool Grinders, Filers & Sharpeners	MT OJT	17.12	35,610	33,700	22,540	42,150	23,920	to	46,280
51-4199	Metal Workers & Plastic Workers, Other	MT OJT	18.04	37,520	36,200	30,030	41,280	32,680	to	39,800
51-5111	Prepress Technician & Workers	PS	16.14	33,560	33,480	19,930	40,380	22,500	to	39,300
51-5112	Printing Press Operators	MT OJT	16.64	34,620	34,060	23,550	40,150	25,200	to	41,610
51-5113	Print Binding & Finishing Workers	ST OJT	13.99	29,100	28,300	18,670	34,320	20,780	to	36,450
51-6011	Laundry & Dry-Cleaning Workers	ST OJT	10.48	21,790	20,410	16,950	24,210	17,720	to	24,190
51-6021	Pressers: Textile, Garment & Related Materials	ST OJT	9.51	19,770	18,780	17,220	21,050	17,210	to	22,090
51-6031	Sewing Machine Operators	ST OJT	10.99	22,860	21,920	17,310	25,630	18,660	to	26,020
51-6091	Extruding & Forming Machine Setters, Operators & Tenders, Synthetic & Glass Fibers	MT OJT	14.36	29,880	28,350	23,250	33,190	24,580	to	32,240
51-7011	Cabinetmakers & Bench Carpenters	MT OJT	21.74	45,220	38,370	24,840	55,410	28,540	to	66,880
51-7021	Furniture Finishers	ST OJT	15.44	32,110	29,340	22,130	37,110	22,710	to	42,680
51-7041	Sawing Machine Setters, Operators & Tenders, Wood	ST OJT	14.77	30,710	29,640	23,740	34,200	25,660	to	36,090

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
51-7042	Woodworking Machine Setters, Operators & Tenders	ST OJT	13.69	28,470	27,040	21,520	31,940	22,850	to	32,790
51-8012	Power Distributors & Dispatchers	LT OJT	28.95	60,220	64,260	44,760	67,950	47,570	to	72,270
51-8013	Power Plant Operators	LT OJT	30.39	63,200	68,010	45,480	72,060	52,400	to	74,970
51-8021	Stationary Engineers & Boiler Operators	LT OJT	23.92	49,760	51,510	35,030	57,120	38,750	to	58,280
51-8031	Water & Wastewater Treatment Plant & System Operators	LT OJT	20.88	43,440	40,740	28,740	50,790	33,020	to	51,570
51-8092	Gas Plant Operators	LT OJT	23.86	49,620	51,570	37,180	55,840	40,090	to	58,540
51-8093	Petroleum Pump System Operators, Refinery Operators & Gaugers	LT OJT	18.52	38,530	33,960	28,090	43,750	28,670	to	48,270
51-9011	Chemical Equipment Operators & Tenders	MT OJT	22.12	46,000	47,370	32,060	52,980	37,080	to	56,680
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	MT OJT	18.46	38,390	40,100	26,090	44,540	29,770	to	47,180
51-9021	Crushing, Grinding & Polishing Machine Setters, Operators & Tenders	MT OJT	16.78	34,910	37,120	21,140	41,790	23,490	to	45,280
51-9022	Grinding & Polishing Workers, Hand	MT OJT	13.10	27,250	26,700	19,800	30,970	21,980	to	30,220
51-9023	Mixing & Blending Machine Setters, Operators & Tenders	MT OJT	15.74	32,740	33,680	23,460	37,380	27,490	to	37,780
51-9032	Cutting & Slicing Machine Setters, Operators & Tenders	ST OJT	14.63	30,440	29,200	20,820	35,250	23,010	to	36,930
51-9041	Extruding, Forming, Pressing & Compacting Machine Setters, Operators & Tenders	MT OJT	12.06	25,100	23,660	17,460	28,910	18,910	to	29,720
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators & Tenders	MT OJT	15.05	31,300	31,730	26,470	33,720	27,760	to	35,740
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	16.06	33,410	32,850	20,920	39,660	23,720	to	39,550

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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51-9071	Jewelers & Precious Stone & Metal Workers	LT OJT	21.92	45,600	43,590	31,520	52,640	34,310	to	55,370
51-9081	Dental Laboratory Technicians	MT OJT	18.27	38,010	36,600	31,190	41,420	33,220	to	41,540
51-9083	Ophthalmic Laboratory Technicians	MT OJT	15.59	32,440	31,810	26,470	35,420	27,720	to	36,270
51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	13.63	28,360	27,550	21,240	31,920	23,460	to	31,360
51-9121	Coating, Painting & Spraying Machine Setters, Operators & Tenders	MT OJT	14.85	30,880	30,990	23,770	34,440	25,210	to	36,330
51-9122	Painters, Transportation Equipment	MT OJT	26.51	55,140	54,850	38,600	63,400	42,570	to	69,320
51-9123	Painting, Coating & Decorating Workers	MT OJT	11.39	23,700	21,490	17,040	27,030	18,100	to	27,630
51-9192	Cleaning, Washing & Metal Pickling Equipment Operators & Tenders	MT OJT	14.73	30,630	32,460	23,360	34,270	25,250	to	36,170
51-9193	Cooling & Freezing Equipment Operators & Tenders	MT OJT	16.54	34,390	34,440	27,680	37,750	29,950	to	37,940
51-9194	Etchers & Engravers	MT OJT	16.27	33,840	35,020	21,830	39,840	23,040	to	44,480
51-9195	Molders, Shapers & Casters, Except Metal & Plastic	LT OJT	15.51	32,260	31,810	22,680	37,060	25,460	to	38,640
51-9196	Paper Goods Machine Setters, Operators & Tenders	MT OJT	12.15	25,280	25,010	20,730	27,550	21,780	to	28,780
51-9198	Helpers--Production Workers	ST OJT	12.49	25,970	25,630	18,600	29,660	20,140	to	30,230
51-9199	Production Workers, Other	MT OJT	14.95	31,090	29,080	19,890	36,700	22,190	to	37,600
53-0000	**Transportation & Material Moving Occupations**	**#**	**15.47**	**32,190**	**29,680**	**19,600**	**38,480**	**22,170**	**to**	**38,780**
53-1021	Supervisors - Helpers, Laborers & Material Movers	WK EXP	21.39	44,490	42,490	33,000	50,230	35,700	to	51,230

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	26.65	55,430	52,230	40,260	63,020	44,010	to	67,200
53-3021	Bus Drivers, Transit & Intercity	MT OJT	17.10	35,580	34,470	24,680	41,020	26,610	to	43,260
53-3022	Bus Drivers, School or Special Client	ST OJT	12.34	25,670	24,030	18,070	29,470	19,420	to	30,470
53-3031	Driver/Sales Workers	ST OJT	12.15	25,280	20,010	17,220	29,300	17,730	to	32,550
53-3032	Heavy & Tractor-Trailer Truck Drivers	PS	19.19	39,920	36,790	26,690	46,530	29,620	to	47,420
53-3033	Light Truck or Delivery Services Drivers	ST OJT	14.92	31,040	29,370	19,040	37,040	21,440	to	38,420
53-3041	Taxi Drivers & Chauffeurs	ST OJT	10.30	21,420	20,510	16,960	23,660	17,790	to	23,630
53-5021	Captains, Mates & Pilots of Water Vessels	PS+	23.14	48,140	39,710	32,680	55,860	34,280	to	50,250
53-6021	Parking Lot Attendants	ST OJT	10.60	22,040	20,610	17,080	24,520	17,900	to	24,460
53-6031	Automotive & Watercraft Service Attendants	ST OJT	11.37	23,660	19,580	16,830	27,070	17,310	to	28,970
53-7011	Conveyor Operators & Tenders	ST OJT	15.28	31,790	33,140	22,990	36,180	24,350	to	37,540
53-7021	Crane & Tower Operators	WK EXP	18.05	37,540	34,100	25,860	43,370	27,710	to	42,740
53-7032	Excavating & Loading Machine & Dragline Operators	WK EXP	20.56	42,770	43,930	35,540	46,390	39,830	to	48,010
53-7051	Industrial Truck & Tractor Operators	ST OJT	16.26	33,830	32,960	25,710	37,890	27,590	to	38,910
53-7061	Cleaners of Vehicles & Equipment	ST OJT	9.56	19,880	18,920	17,140	21,250	17,250	to	22,190
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	13.33	27,730	26,090	19,090	32,050	20,760	to	33,590

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE DEVELOPMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2015

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53-7063	Machine Feeders & Offbearers	ST OJT	11.65	24,230	23,620	20,670	26,000	21,180	to	27,220
53-7064	Packers & Packagers, Hand	ST OJT	10.97	22,810	21,360	17,160	25,630	18,230	to	26,070
53-7071	Gas Compressor & Gas Pumping Station Operators	MT OJT	30.97	64,420	68,170	51,990	70,640	60,680	to	73,920
53-7073	Wellhead Pumpers	WK EXP	18.60	38,700	37,280	30,000	43,050	31,610	to	45,280
53-7081	Refuse & Recyclable Material Collectors	ST OJT	16.60	34,520	31,670	18,860	42,350	20,830	to	47,380

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