PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE INVESTMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2012

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**	**#**	**17.77**	**36,950**	**29,450**	**18,350**	**46,250**	**20,160**	**to**	**44,690**
11-0000	**Management Occupations**	**#**	**42.96**	**89,360**	**76,750**	**45,890**	**111,090**	**55,600**	**to**	**108,380**
11-1011	Chief Executives	BD+	75.84	157,740	142,990	80,900	196,160	100,800	to	#
11-1021	General & Operations Managers	AD+	45.59	94,820	77,920	47,630	118,420	56,510	to	116,860
11-1031	Legislators (Includes all local elected officials)	BD+	*	45,130	20,110	16,990	59,190	17,680	to	77,040
11-2011	Advertising & Promotions Managers	BD+	44.98	93,550	74,610	45,670	117,490	47,580	to	137,340
11-2021	Marketing Managers	BD+	53.82	111,960	100,300	66,670	134,600	80,120	to	141,930
11-2022	Sales Managers	BD+	44.18	91,890	81,490	55,520	110,080	62,380	to	108,930
11-2031	Public Relations & Fundraising Managers	BD+	35.13	73,080	70,360	42,170	88,530	48,430	to	89,450
11-3011	Administrative Services Managers	WK EXP	38.43	79,930	72,530	45,070	97,360	53,670	to	92,460
11-3021	Computer & Information Systems Managers	BD+	46.14	95,980	91,140	67,360	110,290	78,500	to	109,930
11-3031	Financial Managers	BD+	44.00	91,520	81,880	60,830	106,870	67,080	to	109,110
11-3051	Industrial Production Managers	BD+	42.96	89,350	75,930	49,580	109,240	56,000	to	122,720
11-3061	Purchasing Managers	BD+	45.46	94,560	85,580	59,420	112,130	62,980	to	127,500
11-3071	Transportation, Storage & Distribution Managers	WK EXP	41.53	86,380	77,640	54,110	102,510	63,660	to	106,310
11-3111	Compensation & Benefits Managers	BD+	38.09	79,220	75,760	61,200	88,230	67,530	to	93,110

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11-3121	Human Resources Managers	BD+	44.78	93,140	83,660	53,500	112,950	59,230 to 118,230
11-9021	Construction Managers	AD+	43.44	90,350	79,420	63,200	103,920	68,140 to 114,530
11-9031	Education Administrators, Preschool & Childcare Center/Program	BD+	22.40	46,590	41,140	33,600	53,080	35,310 to 48,150
11-9032	Education Administrators, Elementary & Secondary School	MD+	*	82,500	84,070	65,340	91,070	75,220 to 92,440
11-9033	Education Administrators, Postsecondary	MD+	50.80	105,670	82,910	46,830	135,090	55,300 to 137,480
11-9039	Education Administrators, Other	BD+	30.59	63,630	54,290	43,480	73,700	45,490 to 69,360
11-9041	Architectural & Engineering Managers	BD+	45.12	93,850	94,140	72,760	104,400	80,320 to 110,130
11-9051	Food Service Managers	WK EXP	25.37	52,760	48,550	36,840	60,720	39,020 to 66,260
11-9061	Funeral Service Managers	AD	31.95	66,450	61,330	34,190	82,590	36,220 to 103,820
11-9081	Lodging Managers	WK EXP	21.54	44,800	40,900	28,870	52,770	30,100 to 63,070
11-9111	Medical & Health Services Managers	BD	33.79	70,290	65,890	47,620	81,620	53,800 to 79,860
11-9121	Natural Sciences Managers	BD+	46.58	96,890	98,820	72,550	109,060	78,000 to 109,880
11-9131	Postmasters & Mail Superintendents	WK EXP	27.60	57,410	56,820	39,810	66,210	51,800 to 70,520
11-9141	Property, Real Estate & Community Association Managers	WK EXP	29.55	61,460	54,710	28,930	77,720	34,820 to 78,660
11-9151	Social & Community Service Managers	BD+	23.24	48,340	45,480	31,870	56,570	35,300 to 58,360
11-9161	Emergency Management Directors	BD+	21.97	45,710	38,880	29,180	53,970	31,400 to 57,570

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11-9199	Managers, Other	WK EXP	46.99	97,740	96,680	56,870	118,180	75,890	to	109,580
13-0000	**Business & Financial Operations Occupations**	**#**	**27.25**	**56,680**	**51,900**	**33,470**	**68,290**	**39,140**	**to**	**69,450**
13-1022	Wholesale & Retail Buyers	LT OJT	24.06	50,040	51,070	32,880	58,620	40,080	to	57,970
13-1023	Purchasing Agents	LT OJT	25.67	53,400	49,730	35,660	62,260	40,090	to	64,130
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	29.63	61,630	59,270	43,810	70,550	48,160	to	74,610
13-1041	Compliance Officers	BD	27.51	57,220	54,820	36,150	67,750	42,050	to	70,980
13-1051	Cost Estimators	BD	24.63	51,220	48,620	35,570	59,050	38,700	to	61,710
13-1071	Human Resources Specialists	BD	24.66	51,300	45,120	32,560	60,670	36,270	to	63,380
13-1075	Labor Relations Specialists	BD	17.84	37,100	28,490	17,050	47,130	18,000	to	48,710
13-1081	Logisticians	BD+	32.19	66,960	63,950	48,180	76,360	54,120	to	79,960
13-1111	Management Analysts	BD+	44.38	92,310	69,740	47,380	114,780	55,700	to	100,910
13-1121	Meeting, Convention & Event Planners	BD	18.46	38,410	36,250	27,300	43,960	30,220	to	47,310
13-1131	Fundraisers	TBD	22.73	47,280	47,050	32,670	54,590	35,960	to	57,250
13-1141	Compensation, Benefits & Job Analysis Specialists	BD	29.71	61,800	57,940	43,860	70,760	48,900	to	70,390
13-1151	Training & Development Specialists	BD	22.49	46,780	43,940	30,560	54,890	33,640	to	56,220
13-1161	Market Research Analysts & Marketing Specialists	BD	25.23	52,480	44,180	30,130	63,650	33,150	to	63,190

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13-1199	Business Operations Specialists, Other	LT OJT	27.58	57,370	55,640	38,760	66,680	44,200	to	68,820
13-2011	Accountants & Auditors	BD	28.63	59,540	51,970	37,150	70,740	41,530	to	71,320
13-2021	Appraisers & Assessors of Real Estate	LT OJT	18.36	38,190	35,140	25,810	44,380	29,920	to	43,940
13-2031	Budget Analysts	BD	30.81	64,080	57,420	48,180	72,040	49,940	to	71,750
13-2041	Credit Analysts	BD	33.02	68,680	60,280	42,700	81,680	49,570	to	91,090
13-2051	Financial Analysts	BD	24.28	50,500	46,830	25,860	62,820	26,960	to	69,900
13-2052	Personal Financial Advisors	BD	40.08	83,380	69,700	41,540	104,300	50,630	to	108,360
13-2053	Insurance Underwriters	BD	32.64	67,900	62,960	46,110	78,790	50,690	to	83,790
13-2061	Financial Examiners	BD	36.02	74,930	79,860	55,680	84,550	63,120	to	88,510
13-2071	Credit Counselors	BD	19.87	41,320	35,950	33,460	45,250	33,100	to	49,780
13-2072	Loan Officers	MT OJT	29.39	61,120	59,300	36,830	73,270	44,610	to	81,230
13-2081	Tax Examiners & Collectors & Revenue Agents	BD	15.73	32,710	25,700	17,300	40,420	18,580	to	38,910
13-2082	Tax Preparers	MT OJT	16.74	34,820	29,110	21,670	41,400	23,960	to	40,710
13-2099	Financial Specialists, Other	BD	31.11	64,710	61,620	44,060	75,030	47,460	to	76,580
15-0000	**Computer & Mathematical Occupations**	**#**	**27.41**	**57,010**	**53,460**	**33,320**	**68,850**	**38,590**	**to**	**71,270**
15-1121	Computer Systems Analysts	BD	31.85	66,250	63,920	47,950	75,400	52,920	to	75,740

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15-1122	Information Security Analysts	TBD	31.66	65,850	65,420	50,350	73,600	56,920	to	72,570
15-1131	Computer Programmers	BD	34.74	72,270	69,370	46,800	85,000	53,100	to	92,620
15-1132	Software Developers, Applications	BD	33.97	70,660	69,460	47,550	82,210	55,000	to	85,810
15-1133	Software Developers, Systems Software	BD	35.99	74,870	67,020	43,490	90,560	53,460	to	83,270
15-1134	Web Developers	TBD	22.56	46,940	43,760	28,990	55,910	34,100	to	57,330
15-1141	Database Administrators	BD+	29.81	62,010	59,340	38,490	73,760	44,960	to	73,990
15-1142	Network & Computer Systems Administrators	BD	27.11	56,390	54,160	37,460	65,850	41,780	to	70,110
15-1143	Computer Network Architects	TBD	34.42	71,600	70,220	45,990	84,400	53,350	to	87,190
15-1151	Computer User Support Specialists	TBD	17.87	37,160	35,620	24,940	43,270	28,210	to	44,930
15-1152	Computer Network Support Specialists	TBD	24.37	50,680	49,300	35,560	58,240	38,880	to	59,830
15-1199	Computer Occupations, Other	BD	27.48	57,150	58,900	36,430	67,510	37,530	to	67,290
15-2031	Operations Research Analysts	BD	31.44	65,390	64,760	41,680	77,240	47,790	to	80,150
17-0000	**Architecture & Engineering Occupations**	**#**	**29.40**	**61,150**	**58,740**	**38,160**	**72,640**	**44,760**	**to**	**73,580**
17-1011	Architects	BD	33.07	68,780	68,790	58,020	74,160	62,820	to	74,750
17-1022	Surveyors	BD	21.12	43,930	42,940	27,540	52,130	29,190	to	55,610
17-2041	Chemical Engineers	BD	46.68	97,090	98,590	70,950	110,170	81,580	to	117,150

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17-2051	Civil Engineers	BD	33.24	69,140	61,070	51,030	78,190	53,740	to	79,260
17-2071	Electrical Engineers	BD	33.20	69,060	68,840	59,470	73,860	63,050	to	74,630
17-2072	Electronics Engineers	BD	40.50	84,250	75,060	48,990	101,880	54,780	to	110,440
17-2081	Environmental Engineers	BD	30.56	63,560	60,230	49,130	70,780	54,190	to	75,020
17-2111	Health & Safety Engineers	BD	29.51	61,380	55,480	34,560	74,780	35,570	to	86,380
17-2112	Industrial Engineers	BD	32.44	67,470	65,940	48,840	76,790	53,830	to	78,610
17-2131	Materials Engineers	BD	36.58	76,100	74,820	55,250	86,520	61,110	to	90,910
17-2141	Mechanical Engineers	BD	31.38	65,280	62,460	46,400	74,720	50,100	to	75,560
17-2171	Petroleum Engineers	BD	43.49	90,460	80,340	53,830	108,770	62,060	to	96,470
17-2199	Engineers, Other	BD	31.13	64,750	58,200	47,480	73,390	51,380	to	83,440
17-3011	Architectural & Civil Drafters	AD	20.40	42,430	40,090	31,340	47,970	33,970	to	49,810
17-3013	Mechanical Drafters	AD	19.87	41,320	39,240	29,380	47,290	32,940	to	49,900
17-3022	Civil Engineering Technicians	AD	21.51	44,750	43,580	34,440	49,900	38,760	to	53,470
17-3023	Electrical & Electronic Engineering Technicians	AD	25.45	52,930	54,800	36,490	61,150	43,210	to	62,190
17-3024	Electro-Mechanical Technicians	AD	23.39	48,650	46,730	26,090	59,920	28,700	to	67,030
17-3025	Environmental Engineering Technicians	AD	12.84	26,700	22,900	22,030	29,040	21,330	to	24,460

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17-3026	Industrial Engineering Technicians	AD	23.55	48,990	47,990	31,820	57,580	35,990	to	60,560
17-3027	Mechanical Engineering Technicians	AD	24.50	50,970	51,460	35,460	58,720	38,500	to	59,920
17-3029	Engineering Technicians, Other	AD	30.75	63,970	61,680	32,500	79,700	38,150	to	87,570
17-3031	Surveying & Mapping Technicians	MT OJT	16.56	34,440	31,720	25,910	38,700	27,120	to	38,900
19-0000	**Life, Physical & Social Science Occupations**	**#**	**28.72**	**59,740**	**53,940**	**32,880**	**73,160**	**37,170**	**to**	**69,900**
19-1012	Food Scientists & Technologists	BD	34.41	71,570	68,150	36,430	89,140	38,530	to	99,550
19-1023	Zoologists & Wildlife Biologists	BD	30.01	62,430	61,680	49,510	68,880	55,350	to	72,700
19-1029	Biological Scientists, Other	PhD	29.10	60,520	61,450	45,440	68,060	52,990	to	69,990
19-1031	Conservation Scientists	BD	31.85	66,240	65,050	45,350	76,690	56,930	to	75,690
19-1032	Foresters	BD	28.46	59,190	58,130	41,350	68,100	46,130	to	71,990
19-2031	Chemists	BD	33.35	69,370	61,780	38,610	84,750	48,500	to	89,200
19-2041	Environmental Scientists & Specialists	BD	32.07	66,710	64,520	49,060	75,530	54,580	to	74,320
19-2042	Geoscientists	BD	31.17	64,830	64,100	51,520	71,480	53,400	to	78,380
19-3011	Economists	BD	43.09	89,630	83,290	61,160	103,870	65,410	to	109,110
19-3031	Clinical, Counseling & School Psychologists	PhD	44.13	91,800	69,220	50,140	112,630	57,680	to	88,600
19-3051	Urban & Regional Planners	MD	19.43	40,420	36,020	30,560	45,350	31,690	to	51,380

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19-4021	Biological Technicians	BD	20.28	42,190	38,210	27,490	49,540	27,990	to	55,360
19-4031	Chemical Technicians	AD	20.15	41,920	41,340	32,140	46,810	35,480	to	46,920
19-4091	Environmental Science & Protection Technicians	AD	18.51	38,500	36,550	28,760	43,360	30,920	to	44,340
19-4093	Forest & Conservation Technicians	AD	21.27	44,240	42,660	31,480	50,630	34,910	to	53,940
21-0000	**Community & Social Services Occupations**	**#**	**17.93**	**37,300**	**34,640**	**24,680**	**43,620**	**28,150**	**to**	**44,810**
21-1011	Substance Abuse & Behavioral Disorder Counselors	MT OJT	16.76	34,860	33,710	24,830	39,870	26,910	to	41,330
21-1012	Educational, Guidance, School & Vocational Counselors	MD	21.97	45,700	45,530	28,900	54,100	34,000	to	55,200
21-1013	Marriage & Family Therapists	MD	17.80	37,030	37,720	26,900	42,100	31,010	to	44,390
21-1014	Mental Health Counselors	MD	18.07	37,590	35,610	23,630	44,570	27,400	to	45,000
21-1015	Rehabilitation Counselors	MD	17.37	36,130	31,870	20,520	43,940	23,160	to	47,240
21-1021	Child, Family & School Social Workers	BD	17.28	35,950	34,220	25,860	41,000	28,380	to	40,830
21-1022	Healthcare Social Workers	MD	21.21	44,110	43,950	31,420	50,460	35,280	to	52,640
21-1023	Mental Health & Substance Abuse Social Workers	BD	16.47	34,260	32,580	25,130	38,820	26,950	to	38,750
21-1029	Social Workers, Other	BD	28.27	58,790	61,220	44,020	66,180	49,040	to	65,050
21-1091	Health Educators	BD	19.68	40,930	36,950	29,980	46,410	32,480	to	46,900
21-1092	Probation Officers & Correctional Treatment Specialists	BD	22.36	46,500	45,910	33,720	52,900	36,380	to	55,100

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21-1093	Social & Human Service Assistants	ST OJT	14.46	30,090	29,770	23,210	33,530	26,080	to	33,620
21-1094	Community Health Workers	TBD	15.82	32,900	33,600	27,420	35,640	31,100	to	36,110
21-1099	Community & Social Service Specialists, Other	BD	26.66	55,460	58,240	37,600	64,380	47,240	to	64,350
21-2011	Clergy	BD	18.81	39,130	36,290	29,030	44,180	31,860	to	44,570
21-2021	Directors, Religious Activities & Education	BD+	18.95	39,420	21,820	17,090	50,590	18,440	to	65,760
23-0000	**Legal Occupations**	**#**	**32.66**	**67,940**	**51,220**	**32,220**	**85,800**	**36,860**	**to**	**77,470**
23-1011	Lawyers	PhD	44.03	91,590	68,980	46,640	114,070	51,270	to	112,130
23-1012	Judicial Law Clerks	PhD	19.95	41,500	37,730	29,280	47,600	32,860	to	49,230
23-1021	Administrative Law Judges, Adjudicators & Hearing Officers	BD+	26.22	54,530	51,940	36,040	63,770	38,060	to	68,190
23-1023	Judges, Magistrate Judges & Magistrates	PhD	34.54	71,850	64,920	55,160	80,200	56,540	to	74,860
23-2011	Paralegals & Legal Assistants	AD	17.60	36,610	34,640	26,990	41,420	28,720	to	41,340
23-2091	Court Reporters	ST OJT	22.65	47,120	48,910	35,390	52,980	40,020	to	55,880
23-2093	Title Examiners, Abstractors & Searchers	ST OJT	14.32	29,780	25,360	20,400	34,480	21,650	to	36,180
23-2099	Legal Support Workers, Other	ST OJT	17.66	36,740	35,960	25,420	42,400	31,730	to	38,830
25-0000	**Education, Training & Library Occupations**	**#**	**24.88**	**51,750**	**49,000**	**26,450**	**64,390**	**32,120**	**to**	**63,530**
25-1011	Business Teachers, Postsecondary	PhD	*	76,650	73,530	47,480	91,230	52,630	to	93,430

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25-1021	Computer Science Teachers, Postsecondary	PhD	*	73,320	66,730	38,920	90,520	44,580	to	86,490
25-1022	Mathematical Science Teachers, Postsecondary	PhD	*	71,750	66,500	46,340	84,460	49,220	to	83,600
25-1042	Biological Science Teachers, Postsecondary	PhD	*	102,190	88,590	57,140	124,720	65,550	to	120,370
25-1052	Chemistry Teachers, Postsecondary	PhD	*	78,170	72,530	49,100	92,700	55,960	to	95,370
25-1054	Physics Teachers, Postsecondary	PhD	*	65,120	62,000	47,600	73,880	50,140	to	76,080
25-1061	Anthropology & Archeology Teachers, Postsecondary	PhD	*	98,420	83,060	38,270	128,500	42,470	to	111,780
25-1063	Economics Teachers, Postsecondary	PhD	*	99,670	97,090	57,100	120,950	71,050	to	115,380
25-1065	Political Science Teachers, Postsecondary	PhD	*	77,800	75,640	58,500	87,460	65,340	to	91,160
25-1066	Psychology Teachers, Postsecondary	PhD	*	85,340	78,990	51,130	102,440	57,550	to	106,850
25-1067	Sociology Teachers, Postsecondary	PhD	*	78,060	70,700	47,790	93,200	53,990	to	90,660
25-1072	Nursing Instructors & Teachers, Postsecondary	MD	*	76,370	66,720	46,100	91,500	51,610	to	83,440
25-1081	Education Teachers, Postsecondary	PhD	*	72,470	66,400	44,880	86,260	47,940	to	91,340
25-1121	Art, Drama & Music Teachers, Postsecondary	PhD	*	68,920	67,860	44,410	81,180	48,040	to	85,950
25-1122	Communications Teachers, Postsecondary	PhD	*	66,700	62,310	42,330	78,880	46,420	to	79,860
25-1123	English Language & Literature Teachers, Postsecondary	PhD	*	76,210	68,990	45,530	91,560	50,030	to	92,190
25-1124	Foreign Language & Literature Teachers, Postsecondary	PhD	*	67,910	65,930	42,440	80,650	46,720	to	84,510

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25-1125	History Teachers, Postsecondary	PhD	*	77,840	73,240	47,950	92,780	55,850	to	93,380
25-1194	Vocational Education Teachers, Postsecondary	WK EXP	22.00	45,760	43,670	29,450	53,910	32,190	to	56,790
25-1199	Postsecondary Teachers, Other	PhD	*	119,790	91,080	40,450	159,460	52,370	to	173,750
25-2011	Preschool Teachers	AD	14.37	29,900	29,730	21,200	34,250	23,820	to	35,610
25-2012	Kindergarten Teachers	BD	*	47,920	48,600	29,960	56,900	35,750	to	61,350
25-2021	Elementary School Teachers	BD	*	55,620	55,340	41,180	62,840	46,330	to	65,780
25-2022	Middle School Teachers	BD	*	53,330	53,240	43,300	58,340	47,680	to	58,980
25-2031	Secondary School Teachers	BD	*	50,360	49,430	36,110	57,490	40,870	to	60,390
25-2032	Career/Technical Education Teachers, Secondary School	BD+	*	52,140	52,870	36,080	60,170	39,520	to	65,130
25-2052	Special Education Teachers, Kindergarten & Elementary School	BD	*	72,530	65,250	47,230	85,180	51,250	to	101,510
25-2053	Special Education Teachers, Middle School	BD	*	52,650	53,210	50,270	53,840	49,630	to	56,790
25-2054	Special Education Teachers, Secondary School	BD	*	59,500	60,280	44,440	67,040	50,110	to	70,690
25-3011	Adult Basic & Secondary Education & Literacy Teachers & Instructors	BD	21.15	44,000	41,380	31,370	50,320	34,010	to	52,620
25-3021	Self-Enrichment Education Teachers	WK EXP	12.99	27,020	25,780	16,740	32,160	18,360	to	33,660
25-3098	Substitute Teachers	TBD	12.46	25,910	25,550	21,080	28,320	22,120	to	28,950
25-3099	Teachers & Instructors, Other	BD	*	36,240	35,910	19,720	44,510	20,710	to	46,270

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25-4012	Curators	MD	20.12	41,860	26,680	21,860	51,860	22,320	to	62,450
25-4021	Librarians	MD	27.81	57,840	53,240	33,880	69,820	41,220	to	68,100
25-4031	Library Technicians	PS	15.27	31,750	31,760	21,850	36,700	25,670	to	37,720
25-9031	Instructional Coordinators	MD+	26.53	55,190	51,600	34,790	65,390	37,580	to	71,060
25-9041	Teacher Assistants	ST OJT	*	21,820	21,280	16,740	24,360	18,250	to	24,800
27-0000	**Arts, Design, Entertainment, Sports & Media Occupations**	**#**	**18.34**	**38,140**	**38,200**	**20,320**	**47,050**	**23,230**	**to**	**45,700**
27-1023	Floral Designers	ST OJT	9.51	19,790	19,630	17,040	21,160	17,600	to	22,470
27-1024	Graphic Designers	BD	17.98	37,390	34,660	22,500	44,830	26,410	to	44,570
27-1025	Interior Designers	BD	19.10	39,740	41,150	27,120	46,040	30,640	to	50,520
27-1026	Merchandise Displayers & Window Trimmers	MT OJT	13.69	28,470	27,380	21,640	31,880	23,360	to	31,480
27-2012	Producers & Directors	BD+	21.08	43,840	38,510	21,080	55,220	22,700	to	65,840
27-2022	Coaches & Scouts	LT OJT	*	33,230	21,860	16,930	41,370	17,740	to	44,470
27-2041	Music Directors & Composers	BD+	33.38	69,420	64,390	33,340	87,460	44,500	to	102,720
27-3011	Radio & Television Announcers	BD	12.77	26,560	22,260	16,800	31,440	18,500	to	29,060
27-3022	Reporters & Correspondents	BD	13.55	28,180	24,920	18,250	33,150	19,810	to	32,760
27-3031	Public Relations Specialists	BD	20.55	42,750	41,440	23,330	52,450	28,700	to	52,720

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27-3041	Editors	BD+	21.39	44,500	33,320	24,900	54,290	26,830	to	47,810
27-3043	Writers & Authors	BD	12.94	26,920	20,700	16,710	32,030	17,840	to	33,500
27-3091	Interpreters & Translators	BD	20.61	42,870	43,380	42,570	43,020	40,970	to	45,790
27-4011	Audio & Video Equipment Technicians	PS	16.22	33,740	33,900	16,710	42,250	18,380	to	40,160
27-4012	Broadcast Technicians	AD	15.69	32,630	33,420	22,030	37,930	23,300	to	41,130
27-4021	Photographers	LT OJT	13.18	27,410	22,370	16,770	32,730	18,190	to	36,250
29-0000	**Healthcare Practitioners & Technical Occupations**	**#**	**30.20**	**62,810**	**49,730**	**31,340**	**78,540**	**37,090**	**to**	**66,320**
29-1011	Chiropractors	PhD	29.41	61,180	50,760	39,420	72,050	42,100	to	67,700
29-1021	Dentists, General	PhD	43.40	90,260	66,690	55,600	107,590	57,460	to	128,760
29-1031	Dietitians & Nutritionists	BD	22.55	46,900	49,010	28,520	56,090	33,520	to	58,500
29-1041	Optometrists	PhD	46.43	96,580	91,460	83,450	103,140	84,440	to	107,550
29-1051	Pharmacists	PhD	46.03	95,740	100,750	64,150	111,540	84,300	to	114,720
29-1061	Anesthesiologists	PhD	93.54	194,560	#	80,710	251,480	130,700	to	#
29-1062	Family & General Practitioners	PhD	64.22	133,580	146,530	57,220	171,770	57,720	to	174,160
29-1063	Internists, General	PhD	123.31	256,480	#	#	#	#	to	#
29-1066	Psychiatrists	PhD	89.87	186,940	175,530	159,230	200,790	161,150	to	#

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29-1067	Surgeons	PhD	118.87	247,260	#	#	#	#	to	#
29-1069	Physicians & Surgeons, Other	PhD	102.77	213,760	#	129,890	255,700	162,010	to	#
29-1071	Physician Assistants	MD	33.51	69,700	68,240	46,140	81,480	48,560	to	84,580
29-1122	Occupational Therapists	MD	33.19	69,040	68,680	55,980	75,580	61,160	to	77,100
29-1123	Physical Therapists	PhD	36.07	75,020	70,630	61,620	81,720	63,910	to	78,840
29-1124	Radiation Therapists	AD	29.05	60,410	63,810	38,800	71,220	43,520	to	74,500
29-1125	Recreational Therapists	BD	19.41	40,360	35,740	25,460	47,820	29,210	to	51,590
29-1126	Respiratory Therapists	AD	23.65	49,190	48,570	40,270	53,640	42,700	to	56,200
29-1127	Speech-Language Pathologists	MD	35.19	73,200	69,470	50,180	84,710	55,690	to	84,250
29-1131	Veterinarians	PhD	47.64	99,090	86,340	65,940	115,660	73,230	to	103,800
29-1141	Registered Nurses	TBD	26.29	54,690	53,610	41,170	61,440	45,450	to	61,370
29-1151	Nurse Anesthetists	TBD	61.69	128,320	120,700	109,520	137,730	109,560	to	141,940
29-1171	Nurse Practitioners	TBD	39.59	82,340	76,840	53,140	96,940	62,650	to	94,260
29-1181	Audiologists	PhD	24.95	51,890	46,030	43,770	55,950	42,670	to	62,540
29-2011	Medical & Clinical Laboratory Technologists	BD	23.52	48,920	48,940	37,190	54,780	41,400	to	56,600
29-2012	Medical & Clinical Laboratory Technicians	AD	16.54	34,400	33,380	25,020	39,090	28,060	to	40,060

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29-2021	Dental Hygienists	AD	24.26	50,460	51,890	40,990	55,200	44,600	to	57,200
29-2031	Cardiovascular Technologists & Technicians	AD	20.91	43,500	39,960	25,000	52,750	27,480	to	55,490
29-2032	Diagnostic Medical Sonographers	AD	25.93	53,940	51,460	42,670	59,570	44,410	to	61,110
29-2033	Nuclear Medicine Technologists	AD	28.54	59,350	56,370	49,730	64,170	50,760	to	64,900
29-2034	Radiologic Technologists	AD	21.86	45,460	44,240	34,870	50,760	37,430	to	52,800
29-2035	Magnetic Resonance Imaging Technologists	TBD	23.69	49,280	49,340	43,400	52,220	44,420	to	55,010
29-2041	Emergency Medical Technicians & Paramedics	PS	12.79	26,600	25,650	20,460	29,670	21,890	to	30,050
29-2051	Dietetic Technicians	MT OJT	8.87	18,460	18,130	16,660	19,360	16,680	to	19,860
29-2052	Pharmacy Technicians	MT OJT	12.42	25,830	24,800	20,360	28,560	21,650	to	29,210
29-2053	Psychiatric Technicians	PS	13.50	28,080	27,200	22,410	30,910	23,660	to	30,380
29-2054	Respiratory Therapy Technicians	AD	17.00	35,360	34,420	27,680	39,200	29,970	to	39,310
29-2055	Surgical Technologists	PS	15.42	32,060	31,580	26,170	35,010	27,380	to	36,310
29-2056	Veterinary Technologists & Technicians	AD	12.02	25,000	25,100	16,840	29,090	18,500	to	29,980
29-2061	Licensed Practical & Licensed Vocational Nurses	PS	18.06	37,560	36,970	30,910	40,890	32,500	to	42,970
29-2071	Medical Records & Health Information Technicians	PS	15.32	31,870	30,000	24,330	35,640	25,880	to	36,770
29-2081	Opticians, Dispensing	LT OJT	15.15	31,500	28,970	23,580	35,470	24,870	to	36,010

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29-2099	Health Technologists & Technicians, Other	PS	22.17	46,120	43,620	29,720	54,320	32,380	to	53,940
29-9011	Occupational Health & Safety Specialists	BD	25.19	52,400	51,540	35,930	60,640	42,300	to	61,060
29-9012	Occupational Health & Safety Technicians	MT OJT	24.49	50,950	45,800	34,240	59,300	36,700	to	61,210
29-9091	Athletic Trainers	BD	*	34,740	35,260	26,380	38,920	31,190	to	40,130
31-0000	**Healthcare Support Occupations**	**#**	**11.59**	**24,120**	**22,580**	**18,090**	**27,130**	**19,600**	**to**	**27,540**
31-1011	Home Health Aides	ST OJT	9.44	19,630	19,320	16,690	21,100	17,290	to	22,280
31-1014	Nursing Assistants	TBD	11.83	24,610	23,260	20,190	26,820	20,910	to	28,270
31-1015	Orderlies	TBD	13.98	29,070	29,440	20,880	33,170	22,950	to	34,990
31-2011	Occupational Therapy Assistants	AD	20.10	41,800	41,900	30,180	47,610	33,660	to	49,170
31-2012	Occupational Therapy Aides	ST OJT	14.05	29,230	25,480	18,140	34,780	19,660	to	34,870
31-2021	Physical Therapist Assistants	AD	19.29	40,120	38,310	30,780	44,800	32,510	to	46,310
31-2022	Physical Therapist Aides	MT OJT	13.92	28,950	28,140	22,800	32,030	24,270	to	32,730
31-9011	Massage Therapists	PS	17.57	36,550	26,540	17,300	46,180	18,930	to	41,400
31-9091	Dental Assistants	PS	13.23	27,520	26,840	21,360	30,600	23,040	to	30,810
31-9092	Medical Assistants	MT OJT	12.41	25,820	25,020	21,230	28,110	21,950	to	28,740
31-9093	Medical Equipment Preparers	MT OJT	12.74	26,500	25,680	20,570	29,460	21,890	to	30,250

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31-9094	Medical Transcriptionists	PS	15.84	32,940	32,950	24,840	37,000	27,760	to	37,640
31-9095	Pharmacy Aides	ST OJT	10.41	21,660	18,480	16,610	24,180	16,840	to	28,270
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	11.23	23,360	23,140	17,160	26,450	18,720	to	27,710
31-9097	Phlebotomists	TBD	12.07	25,100	24,250	21,000	27,140	21,570	to	28,040
31-9099	Healthcare Support Workers, Other	ST OJT	16.19	33,670	34,910	23,450	38,790	26,030	to	39,660
33-0000	**Protective Service Occupations**	**#**	**19.23**	**39,990**	**36,720**	**18,880**	**50,550**	**21,340**	**to**	**51,190**
33-1012	Supervisors - Police & Detectives	WK EXP	38.50	80,090	85,850	49,290	95,490	58,060	to	102,760
33-1099	Supervisors - Protective Service Workers, Other	WK EXP	24.53	51,020	51,200	36,740	58,160	43,080	to	59,550
33-2011	Firefighters	PS	19.34	40,220	42,130	26,500	47,080	33,560	to	49,360
33-3012	Correctional Officers & Jailers	MT OJT	21.11	43,910	44,270	33,890	48,920	37,990	to	48,190
33-3021	Detectives & Criminal Investigators	WK EXP	37.50	78,010	85,320	49,860	92,080	56,360	to	91,750
33-3051	Police & Sheriff's Patrol Officers	MT OJT	30.57	63,590	65,340	39,590	75,590	47,520	to	82,970
33-9032	Security Guards	ST OJT	11.57	24,060	21,790	16,730	27,720	18,040	to	29,290
33-9091	Crossing Guards	ST OJT	8.85	18,410	18,350	16,610	19,320	16,780	to	20,720
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	8.32	17,320	17,410	16,610	17,670	16,300	to	18,520
33-9093	Transportation Security Screeners	MT OJT	16.60	34,530	33,790	29,120	37,240	29,130	to	36,730

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35-0000	**Food Preparation & Serving Related Occupations**	**#**	**9.68**	**20,130**	**18,590**	**16,760**	**21,810**	**16,970**	**to**	**22,020**
35-1011	Chefs & Head Cooks	WK EXP	18.19	37,830	35,120	24,420	44,530	27,070	to	45,290
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	14.19	29,510	27,590	20,160	34,190	22,420	to	34,650
35-2011	Cooks, Fast Food	ST OJT	9.16	19,060	18,850	16,830	20,180	17,120	to	21,600
35-2012	Cooks, Institution & Cafeteria	ST OJT	11.20	23,290	22,730	17,300	26,280	18,890	to	27,540
35-2014	Cooks, Restaurant	MT OJT	10.30	21,430	19,660	16,830	23,730	17,510	to	23,150
35-2015	Cooks, Short Order	ST OJT	9.44	19,620	19,000	16,720	21,080	17,160	to	22,300
35-2021	Food Preparation Workers	ST OJT	9.71	20,210	18,970	16,830	21,890	17,190	to	22,360
35-3011	Bartenders	ST OJT	8.99	18,690	18,110	16,750	19,660	16,720	to	19,590
35-3021	Combined Food Preparation & Serving Workers	ST OJT	8.85	18,400	17,880	16,680	19,260	16,580	to	19,190
35-3022	Counter Attendants, Cafeteria, Food Concession & Coffee Shop	ST OJT	8.51	17,700	17,890	16,740	18,180	16,610	to	19,170
35-3031	Waiters & Waitresses	ST OJT	9.06	18,840	18,370	16,780	19,870	16,870	to	20,580
35-3041	Food Servers, Nonrestaurant	ST OJT	8.89	18,490	18,110	16,830	19,320	16,760	to	19,480
35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	8.77	18,240	18,270	16,880	18,920	16,860	to	19,750
35-9021	Dishwashers	ST OJT	8.32	17,310	17,700	16,790	17,580	16,530	to	18,860
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	9.07	18,870	18,120	16,850	19,880	16,760	to	19,540

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37-0000	**Building & Grounds Cleaning & Maintenance Occupations**	#	**10.76**	**22,390**	**19,680**	**16,700**	**25,230**	**17,420**	**to**	**26,180**
37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	15.56	32,360	30,250	22,980	37,050	24,930	to	38,690
37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	14.73	30,650	24,860	19,090	36,420	20,640	to	38,960
37-2011	Janitors & Cleaners	ST OJT	10.69	22,240	19,700	16,680	25,020	17,400	to	26,480
37-2012	Maids & Housekeeping Cleaners	ST OJT	9.05	18,830	18,210	16,690	19,900	16,750	to	20,210
37-3011	Landscaping & Groundskeeping Workers	ST OJT	10.45	21,740	19,880	16,800	24,220	17,570	to	24,530
37-3012	Pesticide Handlers, Sprayers & Applicators, Vegetation	MT OJT	16.21	33,720	29,760	27,430	36,870	27,080	to	42,230
39-0000	**Personal Care & Service Occupations**	#	**9.81**	**20,410**	**18,580**	**16,720**	**22,260**	**16,940**	**to**	**21,980**
39-1021	Supervisors - Personal Service Workers	WK EXP	17.13	35,640	30,310	25,570	40,670	26,670	to	36,720
39-2021	Nonfarm Animal Caretakers	ST OJT	9.09	18,910	18,240	16,790	19,980	16,800	to	19,880
39-3031	Ushers, Lobby Attendants & Ticket Takers	ST OJT	8.18	17,020	17,560	16,800	17,130	16,460	to	18,650
39-3091	Amusement & Recreation Attendants	ST OJT	8.32	17,310	17,600	16,730	17,600	16,470	to	18,730
39-4021	Funeral Attendants	ST OJT	10.68	22,220	21,590	19,210	23,720	19,930	to	23,240
39-4031	Morticians, Undertakers & Funeral Directors	TBD	20.39	42,400	39,320	27,090	50,060	28,440	to	55,110
39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	10.55	21,940	19,450	16,740	24,540	17,350	to	26,190
39-5092	Manicurists & Pedicurists	PS	8.13	16,920	17,480	16,700	17,030	16,390	to	18,560

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SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
39-9011	Childcare Workers	ST OJT	9.20	19,130	18,780	16,840	20,280	17,100	to	21,420
39-9021	Personal Care Aides	ST OJT	8.91	18,530	18,120	16,660	19,460	16,690	to	19,760
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	11.92	24,800	19,590	16,720	28,840	17,440	to	29,520
39-9032	Recreation Workers	BD	12.72	26,450	23,060	16,950	31,200	18,590	to	32,270
39-9041	Residential Advisors	PS	13.83	28,770	26,750	21,500	32,410	22,330	to	32,840
39-9099	Personal Care & Service Workers, Other	ST OJT	10.08	20,960	21,310	18,820	22,030	19,760	to	22,860
41-0000	**Sales & Related Occupations**	**#**	**15.08**	**31,370**	**23,180**	**16,950**	**38,590**	**18,310**	**to**	**36,430**
41-1011	Supervisors - Retail Sales Workers	WK EXP	19.17	39,870	36,600	26,370	46,620	29,150	to	46,420
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	34.50	71,750	69,550	36,690	89,280	43,960	to	93,450
41-2011	Cashiers	ST OJT	9.01	18,740	18,420	16,960	19,640	16,980	to	20,080
41-2021	Counter & Rental Clerks	ST OJT	13.84	28,790	27,450	18,330	34,020	19,980	to	36,080
41-2022	Parts Salespersons	MT OJT	13.89	28,900	27,540	20,710	32,990	22,410	to	34,310
41-2031	Retail Salespersons	ST OJT	11.98	24,920	21,990	17,000	28,870	18,270	to	28,720
41-3011	Advertising Sales Agents	MT OJT	29.40	61,160	47,750	22,680	80,400	26,750	to	85,760
41-3021	Insurance Sales Agents	MT OJT	28.75	59,800	54,780	33,520	72,940	38,550	to	74,850
41-3031	Securities, Commodities & Financial Services Sales Agents	BD	28.52	59,330	37,750	27,630	75,180	30,180	to	71,130

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41-3041	Travel Agents	MT OJT	14.04	29,200	29,390	20,130	33,730	22,870	to	35,140
41-3099	Sales Representatives, Other Services	ST OJT	19.70	40,980	31,900	26,560	48,200	27,640	to	47,660
41-4011	Sales Representatives, Technical & Scientific Products	BD	31.99	66,550	54,300	33,600	83,020	40,500	to	83,980
41-4012	Sales Representatives	MT OJT	27.51	57,220	49,920	32,240	69,710	38,220	to	68,140
41-9011	Demonstrators & Product Promoters	ST OJT	15.64	32,540	30,260	24,060	36,780	25,950	to	38,560
41-9022	Real Estate Sales Agents	LT OJT	19.47	40,500	37,180	27,330	47,080	31,940	to	47,620
41-9031	Sales Engineers	BD	32.81	68,250	68,330	46,690	79,030	53,020	to	83,090
41-9041	Telemarketers	ST OJT	8.58	17,840	17,780	16,580	18,470	16,490	to	19,070
41-9099	Sales & Related Workers, Other	MT OJT	12.77	26,560	22,040	17,280	31,200	18,860	to	29,620
43-0000	**Office & Administrative Support Occupations**	**#**	**14.48**	**30,130**	**27,400**	**19,070**	**35,650**	**21,080**	**to**	**36,390**
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	21.98	45,730	43,040	30,580	53,300	34,030	to	55,090
43-2011	Switchboard Operators	ST OJT	11.29	23,490	22,760	18,230	26,120	19,710	to	26,720
43-3011	Bill & Account Collectors	MT OJT	13.49	28,060	24,530	20,210	31,980	21,300	to	32,320
43-3021	Billing & Posting Clerks	ST OJT	13.97	29,070	28,520	22,580	32,310	24,860	to	33,570
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	15.04	31,280	30,490	20,700	36,570	23,240	to	37,470
43-3051	Payroll & Timekeeping Clerks	MT OJT	16.11	33,520	33,050	25,980	37,280	28,220	to	37,520

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43-3061	Procurement Clerks	MT OJT	17.51	36,430	36,680	24,790	42,250	28,910	to	43,960
43-3071	Tellers	ST OJT	10.94	22,760	22,470	19,020	24,620	20,250	to	24,890
43-4011	Brokerage Clerks	MT OJT	19.10	39,720	39,060	28,910	45,130	32,650	to	48,320
43-4021	Correspondence Clerks	ST OJT	11.96	24,870	23,730	18,770	27,920	20,220	to	28,730
43-4031	Court, Municipal & License Clerks	MT OJT	13.87	28,850	27,250	19,560	33,500	21,620	to	34,550
43-4041	Credit Authorizers, Checkers & Clerks	ST OJT	20.83	43,320	34,530	24,820	52,570	26,390	to	65,680
43-4051	Customer Service Representatives	ST OJT	13.72	28,550	26,580	19,080	33,280	20,880	to	34,420
43-4061	Eligibility Interviewers, Government Programs	AD	20.47	42,580	41,390	32,690	47,530	33,740	to	47,250
43-4071	File Clerks	ST OJT	12.54	26,080	24,610	18,680	29,790	20,230	to	29,910
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	9.43	19,610	18,830	16,810	21,020	17,120	to	22,000
43-4111	Interviewers	ST OJT	14.65	30,460	28,510	23,200	34,090	24,380	to	35,210
43-4121	Library Assistants, Clerical	ST OJT	11.09	23,070	21,600	16,900	26,160	18,230	to	27,320
43-4131	Loan Interviewers & Clerks	ST OJT	15.05	31,300	30,350	23,660	35,120	25,720	to	35,950
43-4141	New Accounts Clerks	ST OJT	13.50	28,090	27,990	24,540	29,860	25,280	to	30,850
43-4151	Order Clerks	ST OJT	10.93	22,740	20,780	16,930	25,650	17,860	to	27,120
43-4161	Human Resources Assistants	ST OJT	15.20	31,610	30,390	22,110	36,360	24,770	to	37,270

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43-4171	Receptionists & Information Clerks	ST OJT	11.29	23,490	22,300	17,150	26,660	18,800	to	27,220
43-4199	Information & Record Clerks, Other	ST OJT	19.25	40,040	38,790	30,000	45,060	34,460	to	45,380
43-5011	Cargo & Freight Agents	ST OJT	13.74	28,570	24,750	16,790	34,460	17,710	to	38,440
43-5021	Couriers & Messengers	ST OJT	11.30	23,510	22,450	19,820	25,360	20,620	to	24,280
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	14.57	30,310	28,230	22,310	34,310	23,760	to	36,420
43-5032	Dispatchers	MT OJT	18.20	37,850	35,920	28,140	42,700	30,730	to	43,630
43-5041	Meter Readers, Utilities	ST OJT	22.50	46,810	50,390	31,510	54,460	37,650	to	56,660
43-5051	Postal Service Clerks	ST OJT	23.47	48,810	53,100	38,040	54,190	51,500	to	55,230
43-5052	Postal Service Mail Carriers	ST OJT	23.65	49,190	52,260	38,450	54,560	41,440	to	56,500
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	ST OJT	22.65	47,100	53,080	34,490	53,410	48,620	to	53,100
43-5061	Production, Planning & Expediting Clerks	MT OJT	20.43	42,500	43,360	24,060	51,710	29,970	to	55,060
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	13.78	28,660	26,980	19,180	33,400	21,170	to	34,910
43-5081	Stock Clerks & Order Fillers	ST OJT	10.70	22,260	20,020	16,960	24,900	17,680	to	25,750
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	13.66	28,410	28,030	20,230	32,490	23,880	to	33,660
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	21.49	44,700	40,850	30,300	51,900	32,950	to	52,030
43-6012	Legal Secretaries	MT OJT	16.59	34,500	34,470	25,910	38,790	29,120	to	39,020

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43-6013	Medical Secretaries	MT OJT	13.29	27,640	25,880	21,130	30,900	22,190	to	31,040
43-6014	Secretaries	ST OJT	13.35	27,780	26,400	19,760	31,780	21,600	to	32,990
43-9011	Computer Operators	MT OJT	19.36	40,260	44,390	19,120	50,830	21,600	to	55,010
43-9021	Data Entry Keyers	MT OJT	11.15	23,200	21,310	16,880	26,360	17,800	to	27,810
43-9022	Word Processors & Typists	ST OJT	15.83	32,920	32,390	26,360	36,200	29,300	to	37,340
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	20.25	42,120	40,000	29,720	48,330	32,030	to	50,700
43-9051	Mail Clerks & Mail Machine Operators	ST OJT	12.08	25,120	25,040	16,880	29,240	18,400	to	31,480
43-9061	Office Clerks, General	ST OJT	12.86	26,750	24,470	17,780	31,240	19,350	to	31,670
43-9071	Office Machine Operators	ST OJT	11.54	24,010	25,700	16,800	27,620	18,460	to	28,660
43-9199	Office & Administrative Support Workers, Other	ST OJT	14.59	30,340	28,400	21,680	34,670	23,420	to	36,570
45-0000	**Farming, Fishing & Forestry Occupations**	**#**	**14.95**	**31,090**	**28,480**	**20,150**	**36,560**	**22,490**	**to**	**37,520**
45-1011	Farm & Forestry Worker Supervisors	WK EXP	25.13	52,270	49,350	41,240	57,780	43,170	to	62,360
45-2093	Farmworkers, Farm, Ranch & Aquacultural Animals	ST OJT	15.06	31,340	33,460	19,890	37,060	22,430	to	39,330
45-4022	Logging Equipment Operators	MT OJT	11.82	24,590	24,900	18,620	27,580	20,210	to	28,690
45-4023	Log Graders & Scalers	MT OJT	16.04	33,370	33,820	25,480	37,310	28,420	to	38,090
47-0000	**Construction & Extraction Occupations**	**#**	**19.07**	**39,660**	**36,720**	**25,590**	**46,690**	**28,790**	**to**	**47,720**

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47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	30.93	64,340	61,360	45,060	73,970	50,000	to	78,380
47-2021	Brickmasons & Blockmasons	LT OJT	15.39	32,020	29,260	26,920	34,560	26,590	to	37,780
47-2031	Carpenters	LT OJT	17.38	36,140	34,840	23,570	42,430	27,350	to	44,410
47-2041	Carpet Installers	ST OJT	14.93	31,050	31,790	21,950	35,600	25,320	to	37,550
47-2042	Floor Layers	MT OJT	14.38	29,910	32,250	16,740	36,500	17,940	to	40,960
47-2051	Cement Masons & Concrete Finishers	MT OJT	20.02	41,650	41,040	24,420	50,270	27,980	to	52,330
47-2061	Construction Laborers	ST OJT	16.79	34,920	32,240	22,470	41,140	24,830	to	44,850
47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	19.10	39,730	35,470	27,420	45,890	28,190	to	52,780
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	20.30	42,230	40,170	30,910	47,890	32,180	to	49,010
47-2081	Drywall & Ceiling Tile Installers	MT OJT	16.08	33,440	32,890	27,160	36,580	29,140	to	36,180
47-2111	Electricians	LT OJT	19.16	39,860	36,670	30,350	44,610	32,160	to	45,470
47-2121	Glaziers	LT OJT	16.59	34,500	30,110	19,700	41,900	22,320	to	49,570
47-2131	Insulation Workers, Floor, Ceiling & Wall	ST OJT	20.37	42,380	37,250	27,040	50,050	29,720	to	55,970
47-2141	Painters, Construction & Maintenance	MT OJT	17.38	36,150	36,770	26,170	41,140	28,880	to	43,520
47-2142	Paperhangers	MT OJT	17.79	37,000	38,730	25,310	42,850	28,380	to	44,760
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	22.96	47,760	43,630	30,130	56,580	34,020	to	62,490

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47-2181	Roofers	MT OJT	19.11	39,740	37,310	26,510	46,360	28,840	to	51,320
47-2211	Sheet Metal Workers	LT OJT	19.01	39,540	33,200	27,260	45,680	27,980	to	47,290
47-2221	Structural Iron & Steel Workers	LT OJT	13.64	28,380	26,500	21,250	31,950	22,360	to	33,400
47-3013	Helpers--Electricians	ST OJT	11.20	23,300	22,340	18,380	25,760	19,820	to	26,890
47-3014	Helpers--Painters, Paperhangers, Plasterers & Stucco Masons	ST OJT	9.55	19,860	18,420	16,580	21,500	16,820	to	24,760
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	12.41	25,820	23,740	21,760	27,850	21,660	to	29,940
47-4011	Construction & Building Inspectors	WK EXP	20.77	43,190	43,060	34,130	47,730	37,710	to	48,150
47-4051	Highway Maintenance Workers	MT OJT	16.07	33,420	32,890	24,540	37,860	27,260	to	38,580
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	MT OJT	16.51	34,350	30,730	26,160	38,440	27,260	to	41,970
47-5012	Rotary Drill Operators, Oil & Gas	MT OJT	21.39	44,500	49,700	28,990	52,250	31,190	to	54,830
47-5013	Service Unit Operators, Oil, Gas & Mining	MT OJT	21.50	44,730	45,010	36,840	48,670	39,950	to	51,650
47-5071	Roustabouts, Oil & Gas	MT OJT	14.50	30,170	29,530	26,420	32,040	26,610	to	33,990
49-0000	**Installation, Maintenance & Repair Occupations**	**#**	**17.30**	**35,980**	**34,110**	**21,740**	**43,100**	**25,280**	**to**	**44,090**
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	26.97	56,090	54,370	39,340	64,460	43,630	to	66,960
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	18.51	38,490	37,190	29,580	42,950	32,030	to	44,150
49-2022	Telecommunications Equipment Installers & Repairers	PS	23.06	47,960	48,930	26,660	58,610	29,160	to	66,000

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49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	PS	22.16	46,090	46,810	37,550	50,350	41,000	to	53,860
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation & Relay	PS	29.46	61,270	61,850	53,780	65,020	54,580	to	69,220
49-2097	Electronic Home Entertainment Equipment Installers & Repairers	PS	17.62	36,640	39,290	25,820	42,060	28,200	to	44,600
49-2098	Security & Fire Alarm Systems Installers	MT OJT	19.67	40,920	42,060	32,000	45,370	36,220	to	46,400
49-3021	Automotive Body & Related Repairers	MT OJT	15.08	31,360	31,420	19,380	37,350	21,790	to	36,840
49-3022	Automotive Glass Installers & Repairers	MT OJT	15.54	32,330	33,770	25,520	35,740	28,480	to	36,850
49-3023	Automotive Service Technicians & Mechanics	LT OJT	15.03	31,270	29,720	20,490	36,660	23,660	to	37,260
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	18.21	37,890	36,660	26,450	43,600	29,750	to	44,640
49-3041	Farm Equipment Mechanics & Service Technicians	LT OJT	13.72	28,540	27,900	22,600	31,510	24,320	to	31,500
49-3042	Mobile Heavy Equipment Mechanics	LT OJT	21.37	44,450	45,970	30,020	51,660	33,730	to	53,230
49-3051	Motorboat Mechanics & Service Technicians	LT OJT	14.66	30,480	31,410	23,460	34,000	25,880	to	35,830
49-3052	Motorcycle Mechanics	LT OJT	16.75	34,830	34,400	28,940	37,780	30,440	to	39,030
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	MT OJT	11.85	24,650	22,910	18,780	27,590	20,240	to	31,080
49-3092	Recreational Vehicle Service Technicians	LT OJT	15.28	31,790	31,910	24,670	35,340	26,350	to	36,540
49-3093	Tire Repairers & Changers	MT OJT	11.75	24,440	19,610	16,830	28,250	17,510	to	27,830
49-9011	Mechanical Door Repairers	MT OJT	14.44	30,040	30,020	24,430	32,850	25,640	to	34,680

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PENNSYLVANIA OCCUPATIONAL WAGES
NORTHWEST WORKFORCE INVESTMENT AREA
(Clarion, Crawford, Erie, Forest, Venango & Warren Counties)
MAY 2012

SOC Code	Occupational Title	Educ. Level	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
49-9012	Control & Valve Installers & Repairers	MT OJT	21.27	44,240	42,600	31,910	50,400	35,400	to	51,200
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS	20.21	42,040	41,100	29,340	48,380	33,140	to	50,850
49-9031	Home Appliance Repairers	MT OJT	14.27	29,690	29,810	19,650	34,710	24,340	to	37,100
49-9041	Industrial Machinery Mechanics	LT OJT	20.91	43,500	41,480	33,530	48,480	35,590	to	50,030
49-9043	Maintenance Workers, Machinery	MT OJT	19.27	40,080	39,000	29,210	45,520	32,860	to	47,310
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	30.49	63,430	66,120	54,230	68,020	60,730	to	71,270
49-9052	Telecommunications Line Installers & Repairers	LT OJT	23.68	49,250	53,610	29,590	59,080	37,190	to	61,510
49-9062	Medical Equipment Repairers	AD	18.66	38,800	34,970	23,380	46,520	24,870	to	48,950
49-9071	Maintenance & Repair Workers, General	MT OJT	14.94	31,080	30,780	19,480	36,890	22,140	to	37,600
49-9091	Coin, Vending & Amusement Machine Servicers & Repairers	ST OJT	11.45	23,810	20,980	16,720	27,360	17,630	to	31,160
49-9094	Locksmiths & Safe Repairers	LT OJT	18.65	38,790	38,340	34,100	41,130	34,320	to	43,780
49-9098	Helpers--Installation, Maintenance & Repair Workers	MT OJT	12.02	25,000	22,440	16,790	29,100	18,300	to	31,560
49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	16.45	34,210	34,010	23,060	39,790	26,770	to	39,480
51-0000	**Production Occupations**	**#**	**16.01**	**33,290**	**31,520**	**21,120**	**39,380**	**23,900**	**to**	**39,970**
51-1011	Supervisors - Production & Operating Workers	PS	25.36	52,750	49,870	34,440	61,910	39,910	to	63,770
51-2021	Coil Winders, Tapers & Finishers	ST OJT	15.05	31,310	31,900	23,890	35,020	25,300	to	36,610

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51-2022	Electrical & Electronic Equipment Assemblers	ST OJT	12.21	25,400	22,760	16,930	29,630	18,530	to	30,490
51-2023	Electromechanical Equipment Assemblers	ST OJT	14.42	30,000	28,840	23,520	33,240	25,350	to	34,580
51-2031	Engine & Other Machine Assemblers	ST OJT	16.60	34,520	34,330	28,090	37,730	30,520	to	37,650
51-2041	Structural Metal Fabricators & Fitters	MT OJT	17.27	35,930	34,960	28,660	39,560	31,210	to	38,830
51-2092	Team Assemblers	MT OJT	13.41	27,890	25,640	17,500	33,080	19,070	to	35,370
51-2099	Assemblers & Fabricators, Other	MT OJT	8.93	18,580	18,010	16,990	19,370	16,760	to	19,260
51-3011	Bakers	LT OJT	11.27	23,430	21,920	16,850	26,720	18,320	to	28,110
51-3021	Butchers & Meat Cutters	LT OJT	13.22	27,510	24,610	20,120	31,200	21,470	to	33,480
51-3022	Meat, Poultry & Fish Cutters & Trimmers	ST OJT	15.68	32,610	30,470	26,330	35,760	26,920	to	37,950
51-3092	Food Batchmakers	ST OJT	14.30	29,740	30,000	19,810	34,700	22,790	to	36,920
51-3093	Food Cooking Machine Operators & Tenders	ST OJT	13.92	28,950	28,620	22,070	32,400	23,300	to	34,150
51-4011	Computer-Controlled Machine Tool Operators, Metal & Plastic	MT OJT	15.54	32,330	33,120	21,750	37,620	24,990	to	38,860
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal & Plastic	MT OJT	20.28	42,190	40,320	32,710	46,930	34,550	to	50,930
51-4021	Extruding & Drawing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	16.63	34,580	34,480	24,810	39,470	27,950	to	41,410
51-4022	Forging Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	20.08	41,770	43,020	38,060	43,630	40,130	to	45,910
51-4023	Rolling Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	12.43	25,850	22,540	17,580	29,990	19,150	to	32,270

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51-4031	Cutting, Punching & Press Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	13.91	28,940	28,250	20,910	32,950	23,150	to	34,570
51-4032	Drilling & Boring Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	15.93	33,140	33,310	24,560	37,440	27,660	to	36,810
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	16.25	33,790	33,820	25,390	37,990	28,340	to	38,780
51-4034	Lathe & Turning Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	15.49	32,230	32,470	23,520	36,580	26,170	to	37,940
51-4035	Milling & Planing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	17.77	36,960	37,240	29,930	40,480	31,790	to	43,010
51-4041	Machinists	LT OJT	16.89	35,120	34,720	22,030	41,670	25,960	to	43,870
51-4051	Metal-Refining Furnace Operators & Tenders	MT OJT	16.22	33,730	34,420	31,260	34,970	32,000	to	36,830
51-4052	Pourers & Casters, Metal	MT OJT	17.05	35,460	35,190	27,990	39,200	29,640	to	41,560
51-4061	Model Makers, Metal & Plastic	LT OJT	20.84	43,340	44,810	32,490	48,770	33,500	to	54,000
51-4062	Patternmakers, Metal & Plastic	LT OJT	18.86	39,230	37,700	34,780	41,450	34,370	to	43,840
51-4071	Foundry Mold & Coremakers	MT OJT	12.80	26,620	25,580	20,860	29,500	22,130	to	29,250
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	15.16	31,540	32,320	21,830	36,390	24,250	to	37,230
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	17.07	35,510	33,560	23,860	41,340	26,330	to	44,330
51-4111	Tool & Die Makers	LT OJT	21.58	44,880	43,820	34,220	50,210	38,220	to	50,140
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	16.26	33,820	33,540	26,100	37,680	28,680	to	37,750
51-4122	Welding, Soldering & Brazing Machine Setters, Operators & Tenders	MT OJT	16.30	33,910	34,180	26,220	37,750	28,950	to	38,880

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51-4191	Heat Treating Equipment Setters, Operators & Tenders, Metal & Plastic	MT OJT	17.59	36,600	35,340	28,830	40,480	31,870	to	39,330
51-4193	Plating & Coating Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	13.68	28,450	28,480	19,220	33,070	21,520	to	35,060
51-4194	Tool Grinders, Filers & Sharpeners	MT OJT	14.10	29,330	28,730	21,460	33,270	24,400	to	34,800
51-5111	Prepress Technician & Workers	PS	16.11	33,500	30,820	21,900	39,300	24,040	to	39,480
51-5112	Printing Press Operators	MT OJT	15.29	31,790	29,320	22,220	36,580	23,970	to	37,260
51-5113	Print Binding & Finishing Workers	ST OJT	15.09	31,380	30,690	21,840	36,150	23,740	to	38,050
51-6011	Laundry & Dry-Cleaning Workers	ST OJT	10.80	22,470	20,170	16,780	25,310	17,590	to	26,040
51-6021	Pressers: Textile, Garment & Related Materials	ST OJT	9.59	19,950	18,930	16,890	21,480	17,180	to	23,010
51-6031	Sewing Machine Operators	ST OJT	12.45	25,890	25,200	19,340	29,170	21,000	to	30,560
51-7011	Cabinetmakers & Bench Carpenters	MT OJT	16.08	33,440	32,300	24,970	37,670	26,680	to	40,030
51-7041	Sawing Machine Setters, Operators & Tenders, Wood	ST OJT	13.36	27,790	27,710	21,410	30,980	23,700	to	31,640
51-7042	Woodworking Machine Setters, Operators & Tenders	ST OJT	13.99	29,100	28,890	22,230	32,530	24,150	to	34,050
51-8012	Power Distributors & Dispatchers	LT OJT	34.09	70,920	69,550	49,710	81,520	56,060	to	84,900
51-8013	Power Plant Operators	LT OJT	28.51	59,310	62,280	44,090	66,920	48,800	to	70,750
51-8021	Stationary Engineers & Boiler Operators	LT OJT	20.93	43,530	43,460	32,330	49,130	36,150	to	52,990
51-8031	Water & Wastewater Treatment Plant & System Operators	LT OJT	18.97	39,460	38,510	25,080	46,650	31,560	to	45,500

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MAY 2012

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51-8091	Chemical Plant & System Operators	LT OJT	18.56	38,610	37,320	30,180	42,830	32,320	to	45,320
51-8092	Gas Plant Operators	LT OJT	25.09	52,190	50,480	42,080	57,250	43,340	to	59,440
51-8093	Petroleum Pump System Operators, Refinery Operators & Gaugers	LT OJT	30.03	62,470	66,230	52,480	67,470	61,440	to	71,020
51-9011	Chemical Equipment Operators & Tenders	MT OJT	19.54	40,650	40,830	27,550	47,200	31,630	to	51,590
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	MT OJT	20.47	42,580	42,770	32,320	47,720	38,140	to	47,640
51-9021	Crushing, Grinding & Polishing Machine Setters, Operators & Tenders	MT OJT	17.69	36,790	38,220	25,570	42,400	27,440	to	45,680
51-9022	Grinding & Polishing Workers, Hand	MT OJT	13.16	27,370	27,010	21,220	30,440	23,160	to	30,700
51-9023	Mixing & Blending Machine Setters, Operators & Tenders	MT OJT	19.01	39,550	39,490	29,730	44,460	32,540	to	46,070
51-9031	Cutters & Trimmers, Hand	ST OJT	11.23	23,360	22,570	19,700	25,190	20,490	to	25,920
51-9032	Cutting & Slicing Machine Setters, Operators & Tenders	ST OJT	14.60	30,380	29,770	22,700	34,210	24,120	to	36,110
51-9041	Extruding, Forming, Pressing & Compacting Machine Setters, Operators & Tenders	MT OJT	18.70	38,890	38,560	25,000	45,840	29,200	to	50,440
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators & Tenders	MT OJT	15.47	32,170	30,490	23,740	36,380	26,550	to	38,400
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	15.45	32,140	30,370	22,020	37,200	24,240	to	38,340
51-9071	Jewelers & Precious Stone & Metal Workers	LT OJT	20.29	42,200	43,420	32,080	47,260	37,340	to	48,170
51-9081	Dental Laboratory Technicians	MT OJT	20.24	42,100	37,860	32,550	46,880	33,670	to	45,630
51-9082	Medical Appliance Technicians	LT OJT	17.79	37,000	38,260	27,430	41,780	29,620	to	43,880

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51-9083	Ophthalmic Laboratory Technicians	MT OJT	12.14	25,260	23,210	19,940	27,910	20,780	to	29,200
51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	11.76	24,460	22,290	17,560	27,910	19,150	to	28,490
51-9121	Coating, Painting & Spraying Machine Setters, Operators & Tenders	MT OJT	13.80	28,700	27,880	21,590	32,260	23,100	to	34,030
51-9122	Painters, Transportation Equipment	MT OJT	25.73	53,520	52,820	38,220	61,160	42,140	to	67,690
51-9123	Painting, Coating & Decorating Workers	MT OJT	10.73	22,310	21,570	16,870	25,030	18,200	to	26,410
51-9191	Adhesive Bonding Machine Operators & Tenders	MT OJT	11.91	24,770	25,250	20,050	27,130	21,490	to	28,440
51-9192	Cleaning, Washing & Metal Pickling Equipment Operators & Tenders	MT OJT	13.11	27,260	26,860	22,700	29,540	24,270	to	29,580
51-9194	Etchers & Engravers	MT OJT	16.62	34,560	37,790	22,050	40,820	31,640	to	43,530
51-9195	Molders, Shapers & Casters, Except Metal & Plastic	LT OJT	12.72	26,460	22,890	17,750	30,810	19,300	to	30,820
51-9198	Helpers--Production Workers	ST OJT	12.59	26,180	25,850	17,690	30,430	19,220	to	31,620
51-9199	Production Workers, Other	MT OJT	12.53	26,060	18,850	16,810	30,680	17,130	to	23,720
53-0000	**Transportation & Material Moving Occupations**	**#**	**13.92**	**28,960**	**26,050**	**17,750**	**34,560**	**19,310**	**to**	**35,340**
53-1021	Supervisors - Helpers, Laborers & Material Movers	WK EXP	19.53	40,620	38,410	29,380	46,250	31,640	to	46,800
53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	26.07	54,230	46,950	32,530	65,080	36,100	to	67,950
53-3011	Ambulance Drivers & Attendants	MT OJT	8.51	17,690	17,870	16,780	18,140	16,640	to	19,110
53-3021	Bus Drivers, Transit & Intercity	MT OJT	12.90	26,830	26,850	19,170	30,660	21,470	to	30,970

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53-3022	Bus Drivers, School or Special Client	MT OJT	12.03	25,020	24,150	16,760	29,150	17,940	to	29,950
53-3031	Driver/Sales Workers	ST OJT	11.07	23,020	19,400	16,870	26,100	17,420	to	31,350
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	19.04	39,600	37,960	29,020	44,890	31,850	to	46,050
53-3033	Light Truck or Delivery Services Drivers	ST OJT	13.16	27,380	22,690	16,990	32,580	18,650	to	30,310
53-3041	Taxi Drivers & Chauffeurs	ST OJT	9.61	20,000	18,910	17,000	21,490	17,230	to	22,470
53-6021	Parking Lot Attendants	ST OJT	9.41	19,570	19,220	16,750	20,980	17,290	to	22,260
53-6031	Automotive & Watercraft Service Attendants	ST OJT	9.75	20,280	20,500	16,800	22,010	17,970	to	22,870
53-6051	Transportation Inspectors	PS	32.90	68,420	62,870	45,640	79,820	47,220	to	75,820
53-7011	Conveyor Operators & Tenders	ST OJT	12.40	25,790	24,240	20,840	28,260	21,560	to	30,180
53-7021	Crane & Tower Operators	WK EXP	15.90	33,080	32,210	27,300	35,970	28,150	to	36,760
53-7032	Excavating & Loading Machine & Dragline Operators	WK EXP	31.46	65,440	80,430	28,640	83,840	30,190	to	87,770
53-7051	Industrial Truck & Tractor Operators	ST OJT	13.62	28,340	26,850	20,580	32,220	22,040	to	34,470
53-7061	Cleaners of Vehicles & Equipment	ST OJT	10.01	20,820	19,260	16,860	22,800	17,350	to	23,730
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	12.17	25,320	23,650	17,580	29,190	19,170	to	29,770
53-7063	Machine Feeders & Offbearers	ST OJT	13.59	28,270	26,790	21,030	31,890	22,840	to	31,720
53-7064	Packers & Packagers, Hand	ST OJT	10.56	21,970	20,380	16,930	24,480	17,840	to	25,400

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53-7072	Pump Operators	MT OJT	21.47	44,650	36,610	34,010	49,980	33,480	to	57,980
53-7073	Wellhead Pumpers	MT OJT	16.81	34,970	32,240	26,730	39,090	27,690	to	39,620
53-7121	Tank Car, Truck & Ship Loaders	ST OJT	21.38	44,460	37,150	27,660	52,860	31,530	to	61,520

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