PENNSYLVANIA OCCUPATIONAL WAGES
ERIE COUNTY LABOR MARKET AREA

MAY 2012

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SOC Code	Occupational Title	Educ. Level	Area Type	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**	**#**	**CTY**	**18.09**	**37,620**	**29,620**	**18,420**	**47,220**	**20,320**	**to**	**45,260**
11-0000	**Management Occupations**	**#**	**CTY**	**45.26**	**94,150**	**81,060**	**49,800**	**116,320**	**59,250**	**to**	**115,450**
11-1011	Chief Executives	BD+	CTY	73.20	152,250	140,260	78,190	189,280	96,840	to	#
11-1021	General & Operations Managers	AD+	CTY	47.50	98,800	83,520	50,470	122,970	60,150	to	119,670
11-1031	Legislators (Includes all local elected officials)	BD+	WIA	*	45,130	20,110	16,990	59,190	17,680	to	77,040
11-2011	Advertising & Promotions Managers	BD+	CTY	49.91	103,820	121,530	55,110	128,180	66,050	to	141,770
11-2021	Marketing Managers	BD+	CTY	58.67	122,030	115,530	67,310	149,390	79,550	to	154,350
11-2022	Sales Managers	BD+	CTY	47.60	99,000	86,540	57,970	119,510	64,650	to	112,790
11-2031	Public Relations & Fundraising Managers	BD+	CTY	33.90	70,520	68,370	39,590	85,980	45,140	to	84,890
11-3011	Administrative Services Managers	WK EXP	CTY	41.32	85,950	75,200	50,740	103,560	58,150	to	107,030
11-3021	Computer & Information Systems Managers	BD+	CTY	49.80	103,590	95,410	72,510	119,130	81,390	to	115,880
11-3031	Financial Managers	BD+	CTY	47.11	97,980	88,920	61,960	115,990	69,970	to	125,180
11-3051	Industrial Production Managers	BD+	CTY	47.87	99,580	87,410	55,010	121,860	59,910	to	137,730
11-3061	Purchasing Managers	BD+	CTY	46.59	96,900	91,550	62,380	114,160	68,270	to	132,320
11-3071	Transportation, Storage & Distribution Managers	WK EXP	CTY	45.34	94,300	87,490	62,830	110,030	69,620	to	114,220
11-3111	Compensation & Benefits Managers	BD+	CTY	46.19	96,070	94,670	81,140	103,530	83,880	to	108,520

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MAY 2012

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11-3121	Human Resources Managers	BD+	CTY	39.61	82,390	71,850	52,280	97,450	56,560	to	95,330
11-3131	Training & Development Managers	BD+	PA	56.30	117,110	106,690	71,990	139,670	81,860	to	141,850
11-9013	Farmers, Ranchers & Other Agricultural Managers	WK EXP	PA	38.82	80,740	84,380	72,730	84,740	78,820	to	90,080
11-9021	Construction Managers	AD+	CTY	48.17	100,200	86,780	66,530	117,030	70,250	to	130,400
11-9031	Education Administrators, Preschool & Childcare Center/Program	BD+	CTY	20.40	42,430	38,830	33,260	47,010	34,160	to	46,260
11-9032	Education Administrators, Elementary & Secondary School	MD+	CTY	*	81,070	82,510	63,730	89,740	71,870	to	91,770
11-9033	Education Administrators, Postsecondary	MD+	WIA	50.80	105,670	82,910	46,830	135,090	55,300	to	137,480
11-9039	Education Administrators, Other	BD+	CTY	37.03	77,010	62,990	47,180	91,930	50,420	to	73,800
11-9041	Architectural & Engineering Managers	BD+	CTY	47.46	98,710	98,980	79,790	108,170	84,660	to	112,480
11-9051	Food Service Managers	WK EXP	CTY	27.73	57,690	60,400	39,640	66,710	43,190	to	71,300
11-9061	Funeral Service Managers	AD	WIA	31.95	66,450	61,330	34,190	82,590	36,220	to	103,820
11-9071	Gaming Managers	PS+	PA	34.34	71,430	65,840	48,460	82,920	52,900	to	84,820
11-9081	Lodging Managers	WK EXP	CTY	23.59	49,060	43,930	34,670	56,260	38,200	to	65,560
11-9111	Medical & Health Services Managers	BD	CTY	35.04	72,880	69,090	50,450	84,100	55,920	to	85,590
11-9121	Natural Sciences Managers	BD+	WIA	46.58	96,890	98,820	72,550	109,060	78,000	to	109,880
11-9131	Postmasters & Mail Superintendents	WK EXP	CTY	31.40	65,300	71,240	42,800	76,550	55,110	to	76,870

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11-9141	Property, Real Estate & Community Association Managers	WK EXP	CTY	28.36	58,990	51,750	25,680	75,650	28,820	to	78,100
11-9151	Social & Community Service Managers	BD+	CTY	24.71	51,410	49,640	35,730	59,240	40,780	to	61,370
11-9161	Emergency Management Directors	BD+	WIA	21.97	45,710	38,880	29,180	53,970	31,400	to	57,570
11-9199	Managers, Other	WK EXP	CTY	43.68	90,850	92,510	50,990	110,770	60,650	to	105,710
13-0000	**Business & Financial Operations Occupations**	**#**	**CTY**	**27.71**	**57,630**	**52,910**	**34,620**	**69,140**	**39,670**	**to**	**70,030**
13-1011	Agents & Business Managers of Artists, Performers & Athletes	BD+	PA	28.24	58,740	41,980	26,180	75,020	29,010	to	64,320
13-1021	Buyers & Purchasing Agents, Farm Products	LT OJT	PA	28.87	60,050	56,720	41,590	69,280	46,340	to	70,870
13-1022	Wholesale & Retail Buyers	LT OJT	CTY	24.29	50,510	52,780	34,830	58,360	44,280	to	58,020
13-1023	Purchasing Agents	LT OJT	CTY	26.98	56,130	53,060	37,870	65,250	42,330	to	65,920
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	CTY	29.42	61,190	58,330	43,650	69,950	47,810	to	73,770
13-1032	Insurance Appraisers, Auto Damage	PS	PA	28.46	59,190	59,700	47,970	64,800	51,330	to	68,690
13-1041	Compliance Officers	BD	CTY	29.04	60,400	57,430	36,100	72,550	41,380	to	75,680
13-1051	Cost Estimators	BD	CTY	24.81	51,600	51,200	34,260	60,280	37,740	to	61,350
13-1071	Human Resources Specialists	BD	CTY	24.76	51,490	45,150	32,830	60,820	36,690	to	66,680
13-1075	Labor Relations Specialists	BD	CTY	22.42	46,630	40,530	25,580	57,160	31,140	to	57,600
13-1081	Logisticians	BD+	CTY	33.14	68,920	67,620	47,040	79,870	55,470	to	85,040

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13-1111	Management Analysts	BD+	CTY	49.87	103,730	73,710	47,880	131,650	57,420	to	110,390
13-1121	Meeting, Convention & Event Planners	BD	CTY	17.66	36,740	34,050	25,000	42,610	27,480	to	45,190
13-1131	Fundraisers	TBD	CTY	23.49	48,860	49,270	35,250	55,670	37,590	to	58,510
13-1141	Compensation, Benefits & Job Analysis Specialists	BD	CTY	31.58	65,690	61,860	45,240	75,920	50,560	to	73,880
13-1151	Training & Development Specialists	BD	CTY	23.32	48,510	44,250	30,080	57,730	32,620	to	59,630
13-1161	Market Research Analysts & Marketing Specialists	BD	CTY	25.57	53,190	41,250	29,390	65,090	31,340	to	64,600
13-1199	Business Operations Specialists, Other	LT OJT	CTY	27.22	56,610	55,690	38,550	65,640	44,170	to	68,820
13-2011	Accountants & Auditors	BD	CTY	27.73	57,680	51,340	37,810	67,620	41,480	to	69,890
13-2021	Appraisers & Assessors of Real Estate	LT OJT	CTY	18.44	38,360	34,340	25,330	44,880	29,000	to	39,200
13-2031	Budget Analysts	BD	CTY	33.69	70,070	64,930	54,760	77,720	57,410	to	74,510
13-2041	Credit Analysts	BD	CTY	31.87	66,280	66,290	33,270	82,780	37,340	to	97,950
13-2051	Financial Analysts	BD	WIA	24.28	50,500	46,830	25,860	62,820	26,960	to	69,900
13-2052	Personal Financial Advisors	BD	CTY	40.87	85,010	71,080	40,070	107,480	48,350	to	111,500
13-2053	Insurance Underwriters	BD	WIA	32.64	67,900	62,960	46,110	78,790	50,690	to	83,790
13-2061	Financial Examiners	BD	WIA	36.02	74,930	79,860	55,680	84,550	63,120	to	88,510
13-2071	Credit Counselors	BD	CTY	19.49	40,550	35,630	33,400	44,120	32,940	to	38,320

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13-2072	Loan Officers	MT OJT	CTY	23.80	49,500	44,510	28,090	60,200	34,720	to	64,680
13-2081	Tax Examiners & Collectors & Revenue Agents	BD	CTY	19.36	40,270	29,380	18,600	51,100	19,860	to	57,920
13-2082	Tax Preparers	MT OJT	WIA	16.74	34,820	29,110	21,670	41,400	23,960	to	40,710
13-2099	Financial Specialists, Other	BD	CTY	32.85	68,320	66,910	46,090	79,430	50,610	to	82,340
15-0000	**Computer & Mathematical Occupations**	**#**	**CTY**	**28.60**	**59,480**	**56,180**	**33,970**	**72,240**	**39,860**	**to**	**73,870**
15-1111	Computer & Information Research Scientists	PhD	PA	46.91	97,580	91,510	61,970	115,380	70,900	to	118,330
15-1121	Computer Systems Analysts	BD	CTY	33.25	69,160	67,120	49,720	78,880	55,530	to	79,380
15-1122	Information Security Analysts	TBD	CTY	33.03	68,710	66,880	56,490	74,820	59,850	to	73,300
15-1131	Computer Programmers	BD	CTY	36.77	76,480	75,980	50,110	89,660	56,350	to	95,600
15-1132	Software Developers, Applications	BD	CTY	30.72	63,910	63,870	41,760	74,980	47,150	to	78,770
15-1133	Software Developers, Systems Software	BD	CTY	35.99	74,870	67,030	43,490	90,560	53,470	to	83,270
15-1134	Web Developers	TBD	CTY	22.86	47,540	43,060	29,090	56,770	32,880	to	59,860
15-1141	Database Administrators	BD+	CTY	30.25	62,930	59,800	39,650	74,560	47,320	to	74,280
15-1142	Network & Computer Systems Administrators	BD	CTY	28.80	59,910	57,910	39,380	70,180	44,020	to	72,830
15-1143	Computer Network Architects	TBD	CTY	32.67	67,960	68,480	52,340	75,770	60,020	to	76,960
15-1151	Computer User Support Specialists	TBD	CTY	18.03	37,500	35,950	24,090	44,210	27,350	to	45,770

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15-1152	Computer Network Support Specialists	TBD	CTY	24.48	50,910	50,170	35,840	58,450	39,330	to	59,330
15-1199	Computer Occupations, Other	BD	CTY	30.79	64,040	64,350	44,290	73,910	54,020	to	73,400
15-2011	Actuaries	BD+	PA	52.40	108,990	101,020	63,100	131,940	77,340	to	135,090
15-2021	Mathematicians	MD	PA	48.80	101,510	108,490	55,100	124,720	57,710	to	123,930
15-2031	Operations Research Analysts	BD	CTY	33.18	69,020	70,090	40,860	83,100	51,730	to	85,390
15-2041	Statisticians	MD	PA	32.31	67,200	63,280	43,900	78,860	47,590	to	80,470
17-0000	**Architecture & Engineering Occupations**	**#**	**CTY**	**30.44**	**63,310**	**60,620**	**39,930**	**75,010**	**46,260**	**to**	**75,170**
17-1011	Architects	BD	CTY	31.01	64,490	62,760	50,930	71,270	53,850	to	72,140
17-1012	Landscape Architects	BD	PA	30.58	63,610	57,800	46,230	72,300	49,980	to	77,950
17-1021	Cartographers & Photogrammetrists	BD	PA	25.17	52,350	49,860	36,870	60,090	40,340	to	58,720
17-1022	Surveyors	BD	CTY	22.17	46,120	45,230	35,810	51,270	37,810	to	54,480
17-2011	Aerospace Engineers	BD	PA	41.28	85,870	83,390	64,060	96,770	69,950	to	96,560
17-2021	Agricultural Engineers	BD	PA	32.11	66,780	63,490	44,710	77,820	46,690	to	77,500
17-2031	Biomedical Engineers	BD	PA	40.33	83,890	81,750	59,810	95,930	66,920	to	95,160
17-2041	Chemical Engineers	BD	CTY	48.00	99,850	100,850	76,310	111,610	84,900	to	117,770
17-2051	Civil Engineers	BD	CTY	34.75	72,280	64,350	52,760	82,040	55,090	to	81,420

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17-2061	Computer Hardware Engineers	BD	PA	39.18	81,500	74,780	54,880	94,810	61,140	to	102,750
17-2071	Electrical Engineers	BD	CTY	33.00	68,640	69,130	64,950	70,480	64,660	to	73,600
17-2072	Electronics Engineers	BD	CTY	47.99	99,810	90,560	63,250	118,090	71,770	to	132,250
17-2081	Environmental Engineers	BD	CTY	30.73	63,910	61,250	51,280	70,230	53,050	to	75,360
17-2111	Health & Safety Engineers	BD	WIA	29.51	61,380	55,480	34,560	74,780	35,570	to	86,380
17-2112	Industrial Engineers	BD	CTY	33.21	69,080	66,460	49,920	78,670	54,700	to	81,770
17-2121	Marine Engineers & Naval Architects	BD	PA	53.67	111,630	104,950	83,700	125,600	98,270	to	127,980
17-2131	Materials Engineers	BD	CTY	37.61	78,220	73,980	58,180	88,240	61,340	to	93,420
17-2141	Mechanical Engineers	BD	CTY	31.52	65,570	62,830	46,110	75,300	49,360	to	75,720
17-2151	Mining & Geological Engineers	BD	PA	35.96	74,800	76,750	50,770	86,810	56,190	to	91,100
17-2161	Nuclear Engineers	BD	PA	47.25	98,280	98,260	78,130	108,350	84,440	to	113,190
17-2171	Petroleum Engineers	BD	WIA	43.49	90,460	80,340	53,830	108,770	62,060	to	96,470
17-2199	Engineers, Other	BD	CTY	30.80	64,060	57,800	47,300	72,430	51,180	to	81,610
17-3011	Architectural & Civil Drafters	AD	CTY	20.41	42,450	41,210	31,700	47,820	34,260	to	51,470
17-3012	Electrical & Electronics Drafters	AD	PA	27.61	57,440	56,590	39,520	66,390	45,400	to	69,530
17-3013	Mechanical Drafters	AD	CTY	19.20	39,930	38,040	28,660	45,560	32,750	to	48,830

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17-3019	Drafters, Other	AD	PA	21.97	45,700	38,390	27,040	55,030	28,950	to	57,420
17-3021	Aerospace Engineering & Operations Technicians	AD	PA	33.51	69,690	69,310	50,090	79,490	59,700	to	80,060
17-3022	Civil Engineering Technicians	AD	WIA	21.51	44,750	43,580	34,440	49,900	38,760	to	53,470
17-3023	Electrical & Electronic Engineering Technicians	AD	CTY	21.48	44,690	41,150	30,750	51,650	33,600	to	61,660
17-3024	Electro-Mechanical Technicians	AD	CTY	27.38	56,940	58,360	35,490	67,670	42,160	to	71,860
17-3025	Environmental Engineering Technicians	AD	WIA	12.84	26,700	22,900	22,030	29,040	21,330	to	24,460
17-3026	Industrial Engineering Technicians	AD	CTY	25.40	52,820	52,420	36,820	60,830	41,770	to	63,600
17-3027	Mechanical Engineering Technicians	AD	CTY	21.44	44,600	43,590	32,020	50,890	34,530	to	55,000
17-3029	Engineering Technicians, Other	AD	CTY	34.05	70,820	69,370	40,510	85,970	49,150	to	97,590
17-3031	Surveying & Mapping Technicians	MT OJT	CTY	14.58	30,330	30,140	25,370	32,810	26,420	to	34,610
19-0000	**Life, Physical & Social Science Occupations**	**#**	**CTY**	**30.19**	**62,800**	**58,340**	**35,450**	**76,480**	**40,200**	**to**	**76,520**
19-1011	Animal Scientists	PhD	PA	25.17	52,350	38,840	35,340	60,850	35,190	to	65,050
19-1012	Food Scientists & Technologists	BD	WIA	34.41	71,570	68,150	36,430	89,140	38,530	to	99,550
19-1013	Soil & Plant Scientists	BD	PA	31.85	66,240	61,660	42,770	77,970	48,000	to	73,750
19-1021	Biochemists & Biophysicists	PhD	PA	48.56	101,000	94,820	66,890	118,050	77,550	to	121,310
19-1022	Microbiologists	BD	PA	35.15	73,110	63,510	49,890	84,720	53,220	to	82,670

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19-1023	Zoologists & Wildlife Biologists	BD	WIA	30.01	62,430	61,680	49,510	68,880	55,350	to	72,700
19-1029	Biological Scientists, Other	PhD	WIA	29.10	60,520	61,450	45,440	68,060	52,990	to	69,990
19-1031	Conservation Scientists	BD	WIA	31.85	66,240	65,050	45,350	76,690	56,930	to	75,690
19-1032	Foresters	BD	WIA	28.46	59,190	58,130	41,350	68,100	46,130	to	71,990
19-1041	Epidemiologists	MD	PA	37.40	77,790	73,780	54,600	89,390	62,830	to	94,510
19-1042	Medical Scientists	PhD	PA	48.26	100,380	86,990	52,650	124,240	61,010	to	124,490
19-1099	Life Scientists, Other	BD	PA	32.35	67,290	62,890	52,600	74,630	56,350	to	73,920
19-2012	Physicists	PhD	PA	56.59	117,700	110,570	77,710	137,690	94,360	to	130,240
19-2021	Atmospheric & Space Scientists	BD	PA	40.44	84,120	83,540	53,200	99,580	63,140	to	103,660
19-2031	Chemists	BD	CTY	39.36	81,870	77,420	50,200	97,710	58,610	to	105,530
19-2032	Materials Scientists	BD	PA	38.16	79,370	77,430	58,660	89,730	65,800	to	92,550
19-2041	Environmental Scientists & Specialists	BD	WIA	32.07	66,710	64,520	49,060	75,530	54,580	to	74,320
19-2042	Geoscientists	BD	WIA	31.17	64,830	64,100	51,520	71,480	53,400	to	78,380
19-2043	Hydrologists	MD	PA	40.34	83,910	75,140	60,710	95,500	65,260	to	95,470
19-2099	Physical Scientists, Other	BD	PA	44.38	92,310	96,020	59,170	108,880	69,960	to	113,470
19-3011	Economists	BD	CTY	43.09	89,640	83,290	61,160	103,870	65,410	to	109,110

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19-3022	Survey Researchers	BD	PA	14.92	31,040	26,930	17,630	37,740	19,190	to	36,900
19-3031	Clinical, Counseling & School Psychologists	PhD	CTY	33.53	69,730	67,270	47,930	80,640	57,440	to	82,570
19-3032	Industrial-Organizational Psychologists	MD	PA	40.75	84,750	72,310	49,000	102,630	54,220	to	91,430
19-3039	Psychologists, Other	MD	PA	39.89	82,970	90,020	52,570	98,170	68,820	to	100,080
19-3041	Sociologists	MD	PA	38.32	79,710	70,720	50,840	94,140	56,660	to	92,980
19-3051	Urban & Regional Planners	MD	CTY	20.07	41,740	36,200	29,560	47,830	31,020	to	54,120
19-3091	Anthropologists & Archeologists	MD	PA	32.12	66,820	61,970	45,530	77,460	51,400	to	83,390
19-3092	Geographers	BD	PA	35.20	73,210	72,030	61,210	79,210	63,700	to	83,190
19-3093	Historians	MD	PA	24.76	51,490	39,590	34,630	59,920	35,090	to	65,320
19-3099	Social Scientists & Related Workers, Other	BD	PA	38.71	80,510	74,630	61,810	89,860	67,350	to	91,370
19-4011	Agricultural & Food Science Technicians	AD	PA	18.06	37,560	35,560	24,430	44,120	27,790	to	44,880
19-4021	Biological Technicians	BD	WIA	20.28	42,190	38,210	27,490	49,540	27,990	to	55,360
19-4031	Chemical Technicians	AD	CTY	20.51	42,660	40,640	35,150	46,410	36,830	to	46,710
19-4041	Geological & Petroleum Technicians	AD	PA	24.52	51,000	45,320	31,420	60,790	36,000	to	62,130
19-4051	Nuclear Technicians	AD	PA	37.62	78,250	78,820	61,120	86,820	67,220	to	91,090
19-4061	Social Science Research Assistants	AD	PA	18.87	39,240	36,060	27,230	45,250	31,470	to	45,310

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19-4091	Environmental Science & Protection Technicians	AD	WIA	18.51	38,500	36,550	28,760	43,360	30,920	to	44,340
19-4093	Forest & Conservation Technicians	AD	WIA	21.27	44,240	42,660	31,480	50,630	34,910	to	53,940
19-4099	Life, Physical & Social Science Technicians, Other	AD	PA	22.71	47,230	44,410	29,440	56,130	33,830	to	58,740
21-0000	**Community & Social Services Occupations**	**#**	**CTY**	**18.34**	**38,140**	**35,680**	**24,880**	**44,770**	**28,260**	**to**	**46,380**
21-1011	Substance Abuse & Behavioral Disorder Counselors	MT OJT	CTY	15.28	31,780	29,360	23,430	35,960	24,730	to	37,930
21-1012	Educational, Guidance, School & Vocational Counselors	MD	CTY	23.03	47,900	47,410	34,910	54,390	39,830	to	54,960
21-1013	Marriage & Family Therapists	MD	CTY	18.15	37,750	40,340	25,440	43,910	30,600	to	45,650
21-1014	Mental Health Counselors	MD	CTY	16.93	35,220	33,200	23,350	41,160	26,840	to	40,050
21-1015	Rehabilitation Counselors	MD	CTY	16.33	33,960	30,970	22,930	39,470	24,640	to	42,670
21-1019	Counselors, Other	MD	PA	24.30	50,540	51,710	35,460	58,090	43,160	to	59,110
21-1021	Child, Family & School Social Workers	BD	CTY	17.92	37,280	35,680	27,010	42,420	30,440	to	43,320
21-1022	Healthcare Social Workers	MD	CTY	22.28	46,340	45,860	35,630	51,700	39,680	to	54,340
21-1023	Mental Health & Substance Abuse Social Workers	BD	CTY	16.26	33,820	33,660	25,310	38,070	28,000	to	37,430
21-1029	Social Workers, Other	BD	CTY	29.39	61,130	62,430	48,550	67,410	56,820	to	67,280
21-1091	Health Educators	BD	CTY	18.90	39,300	36,650	29,050	44,430	32,010	to	44,690
21-1092	Probation Officers & Correctional Treatment Specialists	BD	CTY	22.67	47,160	46,370	34,560	53,460	36,310	to	56,360

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21-1093	Social & Human Service Assistants	ST OJT	CTY	13.51	28,090	27,810	21,580	31,350	23,590	to	32,250
21-1094	Community Health Workers	TBD	CTY	16.24	33,790	33,780	29,620	35,870	31,360	to	36,200
21-1099	Community & Social Service Specialists, Other	BD	WIA	26.66	55,460	58,240	37,600	64,380	47,240	to	64,350
21-2011	Clergy	BD	CTY	18.17	37,790	35,400	29,340	42,010	31,770	to	40,770
21-2021	Directors, Religious Activities & Education	BD+	CTY	20.64	42,930	22,650	17,330	55,720	18,930	to	69,580
21-2099	Religious Workers, Other	BD	PA	13.30	27,670	24,350	17,220	32,890	18,850	to	33,520
23-0000	**Legal Occupations**	**#**	**CTY**	**33.11**	**68,870**	**52,370**	**36,380**	**85,110**	**40,440**	**to**	**85,370**
23-1011	Lawyers	PhD	CTY	43.09	89,620	71,890	48,240	110,310	51,380	to	113,130
23-1012	Judicial Law Clerks	PhD	WIA	19.95	41,500	37,730	29,280	47,600	32,860	to	49,230
23-1021	Administrative Law Judges, Adjudicators & Hearing Officers	BD+	CTY	24.88	51,750	47,020	35,040	60,110	37,220	to	60,830
23-1022	Arbitrators, Mediators & Conciliators	BD+	PA	30.77	64,000	53,350	38,130	76,940	41,730	to	73,410
23-1023	Judges, Magistrate Judges & Magistrates	PhD	WIA	34.54	71,850	64,920	55,160	80,200	56,540	to	74,860
23-2011	Paralegals & Legal Assistants	AD	CTY	19.52	40,600	38,680	34,430	43,690	34,710	to	44,610
23-2091	Court Reporters	ST OJT	CTY	23.75	49,390	50,840	38,920	54,630	42,020	to	56,910
23-2093	Title Examiners, Abstractors & Searchers	ST OJT	WIA	14.32	29,780	25,360	20,400	34,480	21,650	to	36,180
23-2099	Legal Support Workers, Other	ST OJT	CTY	16.69	34,710	35,610	23,510	40,310	29,900	to	38,460

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25-0000	**Education, Training & Library Occupations**	**#**	**CTY**	**25.90**	**53,880**	**50,380**	**26,310**	**67,660**	**31,890**	**to**	**64,910**
25-1011	Business Teachers, Postsecondary	PhD	WIA	*	76,650	73,530	47,480	91,230	52,630	to	93,430
25-1021	Computer Science Teachers, Postsecondary	PhD	WIA	*	73,320	66,730	38,920	90,520	44,580	to	86,490
25-1022	Mathematical Science Teachers, Postsecondary	PhD	WIA	*	71,750	66,500	46,340	84,460	49,220	to	83,600
25-1031	Architecture Teachers, Postsecondary	PhD	PA	*	77,330	73,110	47,320	92,330	53,530	to	97,390
25-1032	Engineering Teachers, Postsecondary	PhD	PA	*	114,980	110,770	64,820	140,050	75,720	to	145,690
25-1041	Agricultural Sciences Teachers, Postsecondary	PhD	PA	*	106,920	101,100	61,350	129,710	78,670	to	123,150
25-1042	Biological Science Teachers, Postsecondary	PhD	WIA	*	102,190	88,590	57,140	124,720	65,550	to	120,370
25-1043	Forestry & Conservation Science Teachers, Postsecondary	PhD	PA	*	93,910	94,090	55,630	113,050	69,670	to	123,250
25-1051	Atmospheric, Earth, Marine & Space Sciences Teachers, Postsecondary	PhD	PA	*	91,900	82,500	53,550	111,070	58,930	to	115,700
25-1052	Chemistry Teachers, Postsecondary	PhD	WIA	*	78,170	72,530	49,100	92,700	55,960	to	95,370
25-1053	Environmental Science Teachers, Postsecondary	PhD	PA	*	101,180	89,410	52,890	125,320	59,620	to	129,290
25-1054	Physics Teachers, Postsecondary	PhD	WIA	*	65,120	62,000	47,600	73,880	50,140	to	76,080
25-1061	Anthropology & Archeology Teachers, Postsecondary	PhD	WIA	*	98,420	83,060	38,270	128,500	42,470	to	111,780
25-1062	Area, Ethnic & Cultural Studies Teachers, Postsecondary	PhD	PA	*	88,680	74,610	49,030	108,500	56,850	to	107,750
25-1063	Economics Teachers, Postsecondary	PhD	WIA	*	99,670	97,090	57,100	120,950	71,050	to	115,380

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25-1064	Geography Teachers, Postsecondary	PhD	PA	*	84,130	80,440	51,420	100,490	59,250 to 102,190
25-1065	Political Science Teachers, Postsecondary	PhD	WIA	*	77,800	75,640	58,500	87,460	65,340 to 91,160
25-1066	Psychology Teachers, Postsecondary	PhD	WIA	*	85,340	78,990	51,130	102,440	57,550 to 106,850
25-1067	Sociology Teachers, Postsecondary	PhD	WIA	*	78,060	70,700	47,790	93,200	53,990 to 90,660
25-1069	Social Sciences Teachers, Postsecondary, Other	PhD	PA	*	75,690	74,700	49,540	88,770	55,100 to 91,480
25-1071	Health Specialties Teachers, Postsecondary	PhD	PA	*	100,020	76,290	47,130	126,470	55,200 to 129,520
25-1072	Nursing Instructors & Teachers, Postsecondary	MD	CTY	*	87,320	70,470	51,440	105,270	57,260 to 104,170
25-1081	Education Teachers, Postsecondary	PhD	WIA	*	72,470	66,400	44,880	86,260	47,940 to 91,340
25-1082	Library Science Teachers, Postsecondary	PhD	PA	*	72,360	69,130	49,990	83,540	56,250 to 83,490
25-1111	Criminal Justice & Law Enforcement Teachers, Postsecondary	PhD	PA	*	79,690	67,980	45,600	96,730	50,220 to 93,320
25-1112	Law Teachers, Postsecondary	PhD	PA	*	118,270	99,750	65,420	144,690	77,260 to 142,950
25-1113	Social Work Teachers, Postsecondary	PhD	PA	*	79,710	69,590	45,460	96,840	52,080 to 93,780
25-1121	Art, Drama & Music Teachers, Postsecondary	PhD	WIA	*	68,920	67,860	44,410	81,180	48,040 to 85,950
25-1122	Communications Teachers, Postsecondary	PhD	WIA	*	66,700	62,310	42,330	78,880	46,420 to 79,860
25-1123	English Language & Literature Teachers, Postsecondary	PhD	WIA	*	76,210	68,990	45,530	91,560	50,030 to 92,190
25-1124	Foreign Language & Literature Teachers, Postsecondary	PhD	WIA	*	67,910	65,930	42,440	80,650	46,720 to 84,510

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25-1125	History Teachers, Postsecondary	PhD	WIA	*	77,840	73,240	47,950	92,780	55,850	to	93,380
25-1126	Philosophy & Religion Teachers, Postsecondary	PhD	PA	*	73,620	67,480	44,510	88,170	51,860	to	88,890
25-1191	Graduate Teaching Assistants	BD	PA	*	38,890	38,820	26,540	45,060	31,890	to	46,260
25-1192	Home Economics Teachers, Postsecondary	PhD	PA	*	73,400	77,960	39,800	90,190	48,100	to	95,370
25-1193	Recreation & Fitness Studies Teachers, Postsecondary	MD	PA	*	68,040	62,240	42,500	80,810	47,510	to	85,700
25-1194	Vocational Education Teachers, Postsecondary	WK EXP	CTY	20.26	42,140	40,230	26,480	49,960	28,540	to	50,310
25-1199	Postsecondary Teachers, Other	PhD	WIA	*	119,790	91,080	40,450	159,460	52,370	to	173,750
25-2011	Preschool Teachers	AD	CTY	14.62	30,400	30,770	20,780	35,210	22,840	to	36,120
25-2012	Kindergarten Teachers	BD	CTY	*	44,470	43,300	24,620	54,390	26,840	to	61,970
25-2021	Elementary School Teachers	BD	CTY	*	56,190	56,070	42,000	63,280	48,010	to	66,220
25-2022	Middle School Teachers	BD	CTY	*	53,990	53,860	45,330	58,330	48,760	to	58,970
25-2023	Career/Technical Education Teachers, Middle School	BD+	PA	*	63,210	60,040	50,460	69,590	52,810	to	71,720
25-2031	Secondary School Teachers	BD	CTY	*	46,780	45,730	33,800	53,270	38,160	to	56,310
25-2032	Career/Technical Education Teachers, Secondary School	BD+	WIA	*	52,140	52,870	36,080	60,170	39,520	to	65,130
25-2051	Special Education Teachers, Preschool	BD	PA	*	46,540	44,530	36,790	51,410	39,470	to	53,220
25-2052	Special Education Teachers, Kindergarten & Elementary School	BD	WIA	*	72,530	65,250	47,230	85,180	51,250	to	101,510

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25-2053	Special Education Teachers, Middle School	BD	CTY	*	53,290	53,620	52,280	53,790	50,300 to 56,940
25-2054	Special Education Teachers, Secondary School	BD	CTY	*	56,820	54,350	39,940	65,260	45,000 to 69,060
25-2059	Special Education Teachers, Other	BD	PA	*	60,370	62,400	42,740	69,180	47,770 to 71,810
25-3011	Adult Basic & Secondary Education & Literacy Teachers & Instructors	BD	CTY	20.29	42,210	39,500	30,790	47,910	33,500 to 48,930
25-3021	Self-Enrichment Education Teachers	WK EXP	CTY	12.86	26,740	25,570	16,710	31,760	18,170 to 33,760
25-3098	Substitute Teachers	#	CTY	12.23	25,440	25,470	20,700	27,810	21,940 to 28,670
25-3099	Teachers & Instructors, Other	BD	CTY	*	38,720	38,600	24,090	46,040	31,130 to 45,650
25-4011	Archivists	BD	PA	21.74	45,220	41,940	23,940	55,860	28,860 to 57,850
25-4012	Curators	MD	WIA	20.12	41,860	26,680	21,860	51,860	22,320 to 62,450
25-4013	Museum Technicians & Conservators	BD	PA	19.95	41,490	38,070	26,630	48,910	29,150 to 48,290
25-4021	Librarians	MD	CTY	26.08	54,250	54,010	33,890	64,440	41,900 to 68,300
25-4031	Library Technicians	PS	CTY	13.75	28,600	29,030	20,230	32,790	23,820 to 34,570
25-9011	Audio-Visual & Multimedia Collections Specialists	BD+	PA	20.29	42,200	40,200	24,140	51,220	28,330 to 54,310
25-9021	Farm & Home Management Advisors	MD	PA	26.48	55,080	55,690	37,300	63,970	45,420 to 67,090
25-9031	Instructional Coordinators	MD+	CTY	28.19	58,640	54,760	41,160	67,390	44,920 to 70,440
25-9041	Teacher Assistants	ST OJT	CTY	*	20,470	20,200	16,720	22,340	17,760 to 22,920

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25-9099	Education, Training & Library Workers, Other	BD	PA	21.35	44,420	41,170	21,900	55,680	24,710	to	51,820
27-0000	**Arts, Design, Entertainment, Sports & Media Occupations**	**#**	**CTY**	**18.97**	**39,450**	**39,770**	**21,640**	**48,360**	**25,130**	**to**	**46,010**
27-1011	Art Directors	BD+	PA	40.41	84,050	73,970	48,460	101,840	56,840	to	100,790
27-1012	Craft Artists	LT OJT	PA	12.78	26,590	20,050	17,090	31,340	17,810	to	30,140
27-1013	Fine Artists	LT OJT	PA	22.88	47,590	41,570	28,470	57,140	32,630	to	58,380
27-1014	Multimedia Artists & Animators	BD	PA	29.14	60,610	53,360	38,410	71,710	42,940	to	72,490
27-1019	Artists & Related Workers, Other	LT OJT	PA	29.91	62,210	61,250	33,980	76,320	41,490	to	83,190
27-1021	Commercial & Industrial Designers	BD	CTY	22.92	47,680	51,480	24,270	59,380	27,730	to	63,660
27-1022	Fashion Designers	LT OJT	PA	29.27	60,890	50,110	36,400	73,140	40,190	to	69,670
27-1023	Floral Designers	ST OJT	CTY	9.37	19,490	19,140	17,040	20,710	17,360	to	22,120
27-1024	Graphic Designers	BD	CTY	18.13	37,700	36,190	26,400	43,350	29,120	to	44,950
27-1025	Interior Designers	BD	WIA	19.10	39,740	41,150	27,120	46,040	30,640	to	50,520
27-1026	Merchandise Displayers & Window Trimmers	MT OJT	CTY	13.81	28,730	27,530	21,960	32,120	23,550	to	31,820
27-1027	Set & Exhibit Designers	BD	PA	23.05	47,930	43,790	24,080	59,860	32,730	to	61,120
27-1029	Designers, Other	BD	PA	28.83	59,960	59,950	40,960	69,460	49,450	to	72,110
27-2011	Actors	PS	PA	16.16	#	#	#	#	#	to	#

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27-2012	Producers & Directors	BD+	CTY	21.95	45,670	41,360	21,630	57,680	22,850	to	67,680
27-2021	Athletes & Sports Competitors	LT OJT	PA	*	80,870	45,400	20,750	110,920	25,600	to	85,830
27-2022	Coaches & Scouts	LT OJT	CTY	*	34,510	26,660	16,730	43,400	17,950	to	45,590
27-2023	Umpires, Referees & Other Sports Officials	LT OJT	PA	*	27,010	22,240	16,710	32,170	18,410	to	36,760
27-2031	Dancers	LT OJT	PA	16.54	#	#	#	#	#	to	#
27-2032	Choreographers	WK EXP	PA	16.48	34,290	32,190	24,840	39,010	27,080	to	38,090
27-2041	Music Directors & Composers	BD+	WIA	33.38	69,420	64,390	33,340	87,460	44,500	to	102,720
27-2042	Musicians & Singers	LT OJT	PA	35.12	#	#	#	#	#	to	#
27-2099	Entertainers & Performers, Sports & Related Workers, Other	ST OJT	PA	21.34	#	#	#	#	#	to	#
27-3011	Radio & Television Announcers	BD	CTY	13.12	27,290	21,910	16,690	32,590	18,200	to	29,720
27-3021	Broadcast News Analysts	BD	PA	30.60	63,650	35,000	25,610	82,670	27,700	to	65,260
27-3022	Reporters & Correspondents	BD	WIA	13.55	28,180	24,920	18,250	33,150	19,810	to	32,760
27-3031	Public Relations Specialists	BD	CTY	23.52	48,930	44,800	32,640	57,070	37,550	to	56,960
27-3041	Editors	BD+	CTY	24.81	51,610	37,640	23,080	65,870	24,980	to	58,470
27-3042	Technical Writers	BD+	PA	32.55	67,700	67,530	46,070	78,510	53,090	to	82,180
27-3043	Writers & Authors	BD	CTY	11.69	24,310	18,000	16,710	28,110	16,670	to	19,320

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27-3091	Interpreters & Translators	BD	CTY	20.61	42,870	43,380	42,570	43,030	40,970	to	45,800
27-3099	Media & Communication Workers, Other	ST OJT	PA	20.97	43,610	40,850	27,230	51,800	30,360	to	52,340
27-4011	Audio & Video Equipment Technicians	PS	CTY	15.66	32,570	32,940	16,700	40,500	18,080	to	38,950
27-4012	Broadcast Technicians	AD	WIA	15.69	32,630	33,420	22,030	37,930	23,300	to	41,130
27-4014	Sound Engineering Technicians	PS	PA	23.10	48,050	42,340	23,860	60,140	28,180	to	63,190
27-4021	Photographers	LT OJT	CTY	14.34	29,830	25,350	17,500	35,990	19,140	to	40,940
27-4031	Camera Operators: TV, Video & Motion Picture	BD	PA	23.80	49,510	37,270	26,710	60,910	29,690	to	59,710
27-4032	Film & Video Editors	BD+	PA	27.64	57,490	47,850	31,980	70,250	36,510	to	73,790
27-4099	Media & Communication Equipment Workers, Other	MT OJT	PA	30.29	63,010	59,630	29,560	79,740	38,790	to	77,170
29-0000	**Healthcare Practitioners & Technical Occupations**	**#**	**CTY**	**30.89**	**64,240**	**50,300**	**31,590**	**80,570**	**37,860**	**to**	**67,530**
29-1011	Chiropractors	PhD	WIA	29.41	61,180	50,760	39,420	72,050	42,100	to	67,700
29-1021	Dentists, General	PhD	CTY	39.77	82,710	61,920	55,500	96,320	56,150	to	110,190
29-1023	Orthodontists	PhD	PA	103.90	216,110	#	120,730	#	166,320	to	#
29-1029	Dentists, Other Specialists	PhD	PA	82.67	171,950	165,640	76,870	219,490	87,290	to	#
29-1031	Dietitians & Nutritionists	BD	CTY	22.11	45,990	48,600	27,780	55,100	32,120	to	57,880
29-1041	Optometrists	PhD	CTY	45.61	94,860	91,290	86,380	99,100	85,440	to	101,900

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29-1051	Pharmacists	PhD	CTY	49.02	101,960	106,820	76,640	114,620	94,220	to	117,790
29-1061	Anesthesiologists	PhD	WIA	93.54	194,560	#	80,710	251,480	130,700	to	#
29-1062	Family & General Practitioners	PhD	CTY	67.52	140,450	152,800	63,750	178,800	66,540	to	177,980
29-1063	Internists, General	PhD	WIA	123.31	256,480	#	#	#	#	to	#
29-1064	Obstetricians & Gynecologists	PhD	PA	119.18	247,880	#	218,190	#	#	to	#
29-1065	Pediatricians, General	PhD	PA	76.92	159,990	147,100	113,970	183,010	127,480	to	182,020
29-1066	Psychiatrists	PhD	WIA	89.87	186,940	175,530	159,230	200,790	161,150	to	#
29-1067	Surgeons	PhD	WIA	118.87	247,260	#	#	#	#	to	#
29-1069	Physicians & Surgeons, Other	PhD	CTY	104.08	216,490	#	136,620	#	164,230	to	#
29-1071	Physician Assistants	MD	CTY	32.65	67,920	65,050	44,530	79,610	47,070	to	85,960
29-1081	Podiatrists	PhD	PA	66.50	138,330	120,650	70,050	172,470	81,090	to	174,840
29-1122	Occupational Therapists	MD	CTY	33.30	69,260	68,890	57,420	75,190	61,960	to	76,590
29-1123	Physical Therapists	PhD	CTY	36.61	76,140	71,680	63,880	82,270	65,090	to	81,120
29-1124	Radiation Therapists	AD	WIA	29.05	60,410	63,810	38,800	71,220	43,520	to	74,500
29-1125	Recreational Therapists	BD	CTY	16.19	33,670	31,980	23,460	38,770	26,610	to	37,320
29-1126	Respiratory Therapists	AD	CTY	22.73	47,290	47,600	39,320	51,270	42,020	to	54,470

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29-1127	Speech-Language Pathologists	MD	CTY	34.68	72,130	72,380	62,410	76,990	64,710	to	81,800
29-1128	Exercise Physiologists	MD	PA	22.97	47,780	41,310	31,370	55,990	33,410	to	65,580
29-1129	Therapists, Other	BD	PA	26.01	54,100	50,500	35,160	63,570	40,280	to	59,660
29-1131	Veterinarians	PhD	CTY	42.52	88,440	84,830	64,400	100,460	69,880	to	104,010
29-1141	Registered Nurses	TBD	CTY	26.79	55,730	54,100	41,320	62,940	45,550	to	63,340
29-1151	Nurse Anesthetists	TBD	WIA	61.69	128,320	120,700	109,520	137,730	109,560	to	141,940
29-1161	Nurse Midwives	TBD	PA	39.77	82,720	83,630	60,120	94,020	71,320	to	93,410
29-1171	Nurse Practitioners	TBD	CTY	44.14	91,810	85,380	63,570	105,940	71,670	to	123,150
29-1181	Audiologists	PhD	WIA	24.95	51,890	46,030	43,770	55,950	42,670	to	62,540
29-1199	Health Diagnosing & Treating Practitioners, Other	MD	PA	36.14	75,170	66,440	49,680	87,920	56,140	to	82,570
29-2011	Medical & Clinical Laboratory Technologists	BD	CTY	22.49	46,780	47,650	35,900	52,230	40,390	to	54,890
29-2012	Medical & Clinical Laboratory Technicians	AD	CTY	16.09	33,460	31,940	24,710	37,840	27,580	to	39,770
29-2021	Dental Hygienists	AD	CTY	23.51	48,900	49,680	39,000	53,850	41,160	to	56,900
29-2031	Cardiovascular Technologists & Technicians	AD	CTY	20.19	41,990	36,860	24,380	50,800	25,950	to	54,560
29-2032	Diagnostic Medical Sonographers	AD	CTY	25.01	52,010	49,370	42,340	56,850	43,490	to	58,620
29-2033	Nuclear Medicine Technologists	AD	CTY	27.86	57,940	55,610	52,320	60,750	51,480	to	59,730

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29-2034	Radiologic Technologists	AD	CTY	21.44	44,600	43,740	34,820	49,480	37,140	to	51,410
29-2035	Magnetic Resonance Imaging Technologists	TBD	WIA	23.69	49,280	49,340	43,400	52,220	44,420	to	55,010
29-2041	Emergency Medical Technicians & Paramedics	PS	CTY	13.00	27,030	26,160	20,220	30,440	21,790	to	31,810
29-2051	Dietetic Technicians	MT OJT	CTY	8.78	18,260	18,070	16,660	19,060	16,650	to	19,550
29-2052	Pharmacy Technicians	MT OJT	CTY	12.09	25,140	24,070	19,620	27,900	20,970	to	28,550
29-2053	Psychiatric Technicians	PS	WIA	13.50	28,080	27,200	22,410	30,910	23,660	to	30,380
29-2054	Respiratory Therapy Technicians	AD	WIA	17.00	35,360	34,420	27,680	39,200	29,970	to	39,310
29-2055	Surgical Technologists	PS	CTY	14.92	31,030	30,480	25,730	33,670	26,740	to	35,380
29-2056	Veterinary Technologists & Technicians	AD	CTY	11.06	23,000	19,150	16,790	26,110	17,280	to	28,360
29-2057	Ophthalmic Medical Technicians	TBD	PA	15.86	32,990	32,670	25,570	36,700	27,560	to	37,020
29-2061	Licensed Practical & Licensed Vocational Nurses	PS	CTY	18.41	38,290	37,860	31,800	41,540	33,290	to	43,730
29-2071	Medical Records & Health Information Technicians	PS	CTY	15.08	31,370	29,420	24,560	34,780	25,680	to	35,920
29-2081	Opticians, Dispensing	LT OJT	CTY	15.41	32,050	29,610	23,440	36,360	24,900	to	36,480
29-2091	Orthotists & Prosthetists	MD	PA	33.33	69,320	57,430	37,580	85,190	43,600	to	83,190
29-2092	Hearing Aid Specialists	TBD	PA	31.93	66,410	68,340	46,540	76,340	54,320	to	81,070
29-2099	Health Technologists & Technicians, Other	PS	WIA	22.17	46,120	43,620	29,720	54,320	32,380	to	53,940

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29-9011	Occupational Health & Safety Specialists	BD	CTY	29.31	60,970	57,420	48,320	67,290	50,990	to	71,270
29-9012	Occupational Health & Safety Technicians	MT OJT	CTY	24.97	51,940	47,210	34,480	60,670	37,900	to	66,470
29-9091	Athletic Trainers	BD	WIA	*	34,740	35,260	26,380	38,920	31,190	to	40,130
29-9092	Genetic Counselors	TBD	PA	23.04	47,920	52,170	26,760	58,500	33,040	to	60,930
29-9099	Healthcare Practitioners & Technical Workers, Other	BD	PA	24.48	50,920	44,080	29,160	61,800	32,800	to	64,050
31-0000	**Healthcare Support Occupations**	**#**	**CTY**	**11.85**	**24,660**	**23,010**	**19,020**	**27,470**	**20,340**	**to**	**27,930**
31-1011	Home Health Aides	ST OJT	CTY	9.80	20,390	20,560	16,610	22,290	17,740	to	22,990
31-1013	Psychiatric Aides	ST OJT	PA	15.66	32,570	31,350	25,310	36,190	26,850	to	37,280
31-1014	Nursing Assistants	TBD	CTY	11.77	24,490	23,170	20,430	26,510	20,970	to	28,000
31-1015	Orderlies	TBD	CTY	13.99	29,110	29,600	20,730	33,290	22,830	to	35,110
31-2011	Occupational Therapy Assistants	AD	CTY	20.32	42,260	41,980	29,670	48,560	32,970	to	51,700
31-2012	Occupational Therapy Aides	ST OJT	WIA	14.05	29,230	25,480	18,140	34,780	19,660	to	34,870
31-2021	Physical Therapist Assistants	AD	CTY	23.14	48,120	50,080	32,750	55,810	36,130	to	58,260
31-2022	Physical Therapist Aides	MT OJT	WIA	13.92	28,950	28,140	22,800	32,030	24,270	to	32,730
31-9011	Massage Therapists	PS	CTY	18.13	37,710	27,170	17,120	48,000	18,690	to	44,830
31-9091	Dental Assistants	PS	CTY	13.21	27,480	26,620	21,680	30,370	23,130	to	30,030

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31-9092	Medical Assistants	MT OJT	CTY	12.66	26,330	25,720	21,620	28,680	22,460	to	29,150
31-9093	Medical Equipment Preparers	MT OJT	CTY	11.49	23,890	23,430	19,980	25,840	20,910	to	27,250
31-9094	Medical Transcriptionists	PS	CTY	16.44	34,200	34,560	27,090	37,760	30,710	to	38,870
31-9095	Pharmacy Aides	ST OJT	CTY	9.91	20,620	17,860	16,550	22,650	16,500	to	19,220
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	CTY	10.56	21,960	19,530	16,660	24,600	17,360	to	26,600
31-9097	Phlebotomists	TBD	CTY	11.93	24,820	24,410	21,530	26,470	21,830	to	27,750
31-9099	Healthcare Support Workers, Other	ST OJT	CTY	17.38	36,160	37,250	27,140	40,660	31,320	to	40,720
33-0000	**Protective Service Occupations**	**#**	**CTY**	**18.05**	**37,550**	**33,430**	**17,520**	**47,560**	**19,040**	**to**	**47,890**
33-1011	Supervisors - Correctional Officers	WK EXP	CTY	31.54	65,600	66,470	54,400	71,210	59,540	to	73,170
33-1012	Supervisors - Police & Detectives	WK EXP	CTY	42.56	88,520	98,870	60,030	102,760	68,940	to	104,430
33-1021	Supervisors - Fire Fighting & Prevention	PS+	PA	33.29	69,240	69,820	50,200	78,760	60,080	to	83,110
33-1099	Supervisors - Protective Service Workers, Other	WK EXP	CTY	23.79	49,480	50,590	33,980	57,220	39,270	to	60,370
33-2011	Firefighters	PS	WIA	19.34	40,220	42,130	26,500	47,080	33,560	to	49,360
33-2021	Fire Inspectors & Investigators	WK EXP	PA	24.37	50,690	47,220	35,790	58,150	40,330	to	60,380
33-3011	Bailiffs	MT OJT	PA	11.45	23,810	22,050	16,720	27,360	17,970	to	28,220
33-3012	Correctional Officers & Jailers	MT OJT	CTY	21.28	44,270	43,560	33,660	49,570	37,980	to	51,680

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33-3021	Detectives & Criminal Investigators	WK EXP	CTY	39.45	82,060	91,730	54,570	95,810	62,100	to	94,600
33-3041	Parking Enforcement Workers	ST OJT	PA	13.91	28,940	27,560	19,760	33,530	21,820	to	34,780
33-3051	Police & Sheriff's Patrol Officers	MT OJT	CTY	31.30	65,110	66,920	43,250	76,040	50,150	to	82,990
33-3052	Transit & Railroad Police	ST OJT	PA	32.08	66,730	67,370	52,240	73,970	56,870	to	75,900
33-9011	Animal Control Workers	MT OJT	PA	15.70	32,660	32,090	18,980	39,500	21,220	to	42,960
33-9021	Private Detectives & Investigators	PS+	PA	22.89	47,610	41,550	28,760	57,040	30,700	to	63,250
33-9031	Gaming Surveillance Officers & Gaming Investigators	ST OJT	PA	14.88	30,950	28,290	23,830	34,510	24,830	to	38,090
33-9032	Security Guards	ST OJT	CTY	11.27	23,450	20,980	16,730	26,810	17,780	to	28,760
33-9091	Crossing Guards	ST OJT	CTY	10.36	21,560	21,630	19,850	22,410	20,150	to	23,110
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	CTY	8.39	17,450	17,430	16,600	17,880	16,300	to	18,550
33-9093	Transportation Security Screeners	MT OJT	CTY	17.23	35,840	35,720	29,120	39,200	29,140	to	37,890
33-9099	Protective Service Workers, Other	ST OJT	PA	18.46	38,390	34,030	27,360	43,900	34,010	to	44,430
35-0000	**Food Preparation & Serving Related Occupations**	**#**	**CTY**	**9.75**	**20,280**	**18,730**	**16,760**	**22,040**	**17,030**	**to**	**22,390**
35-1011	Chefs & Head Cooks	WK EXP	CTY	17.55	36,510	29,220	24,970	42,280	25,820	to	42,950
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	CTY	14.18	29,480	28,150	21,120	33,670	23,650	to	34,180
35-2011	Cooks, Fast Food	ST OJT	CTY	9.34	19,430	19,240	16,860	20,720	17,320	to	22,080

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35-2012	Cooks, Institution & Cafeteria	ST OJT	CTY	11.05	22,990	22,240	18,260	25,350	19,660	to	25,820
35-2013	Cooks, Private Household	PS	PA	16.83	35,010	34,760	34,070	35,470	32,590	to	36,930
35-2014	Cooks, Restaurant	MT OJT	CTY	11.01	22,900	20,840	16,900	25,900	18,100	to	24,250
35-2015	Cooks, Short Order	ST OJT	CTY	9.84	20,470	20,430	16,800	22,310	18,050	to	23,020
35-2019	Cooks, Other	MT OJT	PA	13.17	27,400	26,920	23,310	29,440	24,300	to	29,660
35-2021	Food Preparation Workers	ST OJT	CTY	9.94	20,680	19,120	16,840	22,600	17,270	to	22,810
35-3011	Bartenders	ST OJT	CTY	9.21	19,160	18,280	16,790	20,350	16,830	to	20,760
35-3021	Combined Food Preparation & Serving Workers	ST OJT	CTY	8.82	18,350	17,900	16,670	19,190	16,580	to	19,210
35-3022	Counter Attendants, Cafeteria, Food Concession & Coffee Shop	ST OJT	CTY	8.42	17,520	17,810	16,720	17,920	16,560	to	19,060
35-3031	Waiters & Waitresses	ST OJT	CTY	9.41	19,560	18,820	16,760	20,970	17,080	to	21,850
35-3041	Food Servers, Nonrestaurant	ST OJT	CTY	8.76	18,230	18,050	16,870	18,910	16,740	to	19,380
35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	CTY	8.80	18,300	18,390	16,810	19,050	16,890	to	20,320
35-9021	Dishwashers	ST OJT	CTY	8.23	17,110	17,620	16,790	17,270	16,490	to	18,740
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	CTY	9.47	19,690	18,420	16,720	21,180	16,860	to	21,640
35-9099	Food Preparation & Serving Related Workers, Other	ST OJT	PA	14.79	30,760	31,580	23,100	34,590	25,980	to	35,380
37-0000	**Building & Grounds Cleaning & Maintenance Occupations**	**#**	**CTY**	**10.51**	**21,860**	**19,230**	**16,700**	**24,450**	**17,260**	**to**	**24,510**

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ERIE COUNTY LABOR MARKET AREA

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37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	CTY	15.25	31,720	28,720	21,250	36,960	22,640	to	38,210
37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	CTY	12.66	26,320	22,630	18,000	30,490	19,490	to	32,010
37-2011	Janitors & Cleaners	ST OJT	CTY	10.56	21,970	19,200	16,650	24,630	17,220	to	25,770
37-2012	Maids & Housekeeping Cleaners	ST OJT	CTY	8.92	18,540	18,060	16,700	19,460	16,680	to	19,480
37-2019	Building Cleaning Workers, Other	ST OJT	PA	12.53	26,050	25,010	19,540	29,310	21,060	to	31,740
37-2021	Pest Control Workers	MT OJT	PA	16.11	33,500	31,850	24,870	37,810	26,950	to	39,100
37-3011	Landscaping & Groundskeeping Workers	ST OJT	CTY	10.21	21,240	19,410	16,810	23,460	17,390	to	23,520
37-3012	Pesticide Handlers, Sprayers & Applicators, Vegetation	MT OJT	WIA	16.21	33,720	29,760	27,430	36,870	27,080	to	42,230
37-3013	Tree Trimmers & Pruners	ST OJT	PA	18.18	37,820	37,390	28,710	42,380	31,280	to	44,500
37-3019	Grounds Maintenance Workers, Other	ST OJT	PA	22.48	46,760	50,060	33,820	53,230	38,800	to	57,110
39-0000	**Personal Care & Service Occupations**	**#**	**CTY**	**9.80**	**20,380**	**18,580**	**16,760**	**22,190**	**16,970**	**to**	**21,800**
39-1011	Gaming Supervisors	WK EXP	PA	26.53	55,190	55,570	44,040	60,760	48,840	to	64,360
39-1012	Slot Supervisors	WK EXP	PA	19.58	40,730	39,650	24,810	48,700	28,330	to	50,920
39-1021	Supervisors - Personal Service Workers	WK EXP	CTY	17.27	35,920	32,910	26,470	40,650	27,890	to	37,870
39-2011	Animal Trainers	MT OJT	PA	12.69	26,400	24,450	17,690	30,750	19,260	to	29,820
39-2021	Nonfarm Animal Caretakers	ST OJT	CTY	8.95	18,610	18,080	16,790	19,530	16,730	to	19,430

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39-3012	Gaming & Sports Book Writers & Runners	ST OJT	PA	12.02	25,010	23,220	18,440	28,290	20,020	to	29,430
39-3021	Motion Picture Projectionists	ST OJT	PA	10.23	21,280	19,990	16,770	23,530	17,570	to	23,820
39-3031	Ushers, Lobby Attendants & Ticket Takers	ST OJT	WIA	8.18	17,020	17,560	16,800	17,130	16,460	to	18,650
39-3091	Amusement & Recreation Attendants	ST OJT	CTY	8.49	17,670	17,640	16,660	18,170	16,450	to	18,830
39-3092	Costume Attendants	ST OJT	PA	21.05	43,790	42,790	24,910	53,240	29,480	to	53,390
39-3093	Locker Room, Coatroom & Dressing Room Attendants	ST OJT	PA	10.36	21,560	19,710	16,680	24,000	17,420	to	24,500
39-4021	Funeral Attendants	ST OJT	CTY	10.68	22,220	21,590	19,210	23,720	19,940	to	23,240
39-4031	Morticians, Undertakers & Funeral Directors	TBD	WIA	20.39	42,400	39,320	27,090	50,060	28,440	to	55,110
39-5011	Barbers	PS	PA	12.01	24,980	22,490	19,190	27,870	20,270	to	26,340
39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	CTY	10.76	22,370	19,770	16,750	25,180	17,460	to	26,410
39-5091	Makeup Artists, Theatrical & Performance	PS	PA	26.76	55,660	40,870	22,130	72,430	23,320	to	76,380
39-5092	Manicurists & Pedicurists	PS	CTY	8.13	16,900	17,450	16,660	17,020	16,360	to	18,540
39-5093	Shampooers	ST OJT	PA	8.37	17,400	17,650	16,660	17,770	16,450	to	18,840
39-5094	Skincare Specialists	PS	PA	12.04	25,040	22,710	18,030	28,550	19,590	to	28,470
39-6011	Baggage Porters & Bellhops	ST OJT	PA	10.03	20,870	18,930	16,790	22,900	17,150	to	23,100
39-6012	Concierges	MT OJT	PA	12.24	25,460	23,220	19,140	28,620	20,440	to	29,330

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39-7011	Tour Guides & Escorts	MT OJT	PA	10.59	22,030	20,900	16,670	24,700	17,860	to	24,720
39-7012	Travel Guides	MT OJT	PA	19.58	40,730	40,160	28,620	46,790	30,180	to	51,390
39-9011	Childcare Workers	ST OJT	CTY	8.86	18,440	18,250	16,850	19,230	16,830	to	19,710
39-9021	Personal Care Aides	ST OJT	CTY	8.79	18,280	18,250	16,750	19,040	16,800	to	19,860
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	CTY	12.71	26,440	20,400	16,710	31,310	17,510	to	34,560
39-9032	Recreation Workers	BD	CTY	12.26	25,490	22,590	16,730	29,870	18,190	to	30,290
39-9041	Residential Advisors	PS	CTY	14.00	29,120	26,540	21,440	32,970	22,000	to	34,470
39-9099	Personal Care & Service Workers, Other	ST OJT	CTY	10.08	20,960	21,310	18,820	22,030	19,760	to	22,860
41-0000	**Sales & Related Occupations**	**#**	**CTY**	**15.41**	**32,060**	**23,470**	**16,910**	**39,630**	**18,320**	**to**	**37,320**
41-1011	Supervisors - Retail Sales Workers	WK EXP	CTY	19.13	39,800	36,740	26,690	46,350	29,600	to	46,140
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	CTY	33.54	69,770	66,450	33,830	87,740	40,590	to	92,200
41-2011	Cashiers	ST OJT	CTY	9.02	18,770	18,400	16,910	19,700	16,950	to	20,140
41-2012	Gaming Change Persons & Booth Cashiers	ST OJT	PA	13.46	27,990	27,280	21,120	31,430	23,240	to	30,960
41-2021	Counter & Rental Clerks	ST OJT	CTY	14.37	29,900	28,260	18,910	35,390	21,020	to	37,360
41-2022	Parts Salespersons	MT OJT	CTY	14.60	30,360	28,020	21,620	34,730	22,870	to	35,750
41-2031	Retail Salespersons	ST OJT	CTY	11.87	24,700	21,800	16,960	28,570	18,180	to	28,570

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41-3011	Advertising Sales Agents	MT OJT	CTY	35.61	74,070	69,100	27,930	97,130	30,770	to	96,000
41-3021	Insurance Sales Agents	MT OJT	CTY	30.32	63,070	58,690	36,560	76,320	42,350	to	79,260
41-3031	Securities, Commodities & Financial Services Sales Agents	BD	CTY	32.24	67,050	50,310	30,840	85,150	33,380	to	86,280
41-3041	Travel Agents	MT OJT	CTY	13.58	28,240	29,280	18,930	32,900	20,500	to	34,870
41-3099	Sales Representatives, Other Services	ST OJT	CTY	19.44	40,440	31,890	26,860	47,230	27,810	to	46,440
41-4011	Sales Representatives, Technical & Scientific Products	BD	CTY	35.82	74,500	60,820	39,230	92,140	45,500	to	89,160
41-4012	Sales Representatives	MT OJT	CTY	28.25	58,760	50,590	32,940	71,680	39,890	to	70,360
41-9011	Demonstrators & Product Promoters	ST OJT	CTY	15.02	31,250	29,940	23,910	34,920	25,790	to	37,500
41-9021	Real Estate Brokers	WK EXP	PA	64.37	133,890	114,730	60,670	170,500	72,360	to	176,720
41-9022	Real Estate Sales Agents	LT OJT	CTY	18.86	39,230	37,200	23,170	47,260	27,940	to	47,410
41-9031	Sales Engineers	BD	CTY	35.62	74,080	73,350	57,140	82,550	62,440	to	86,120
41-9041	Telemarketers	ST OJT	WIA	8.58	17,840	17,780	16,580	18,470	16,490	to	19,070
41-9091	Door-to-Door Sales Workers, News & Street Vendors & Related Workers	ST OJT	PA	14.50	30,150	28,060	17,310	36,580	19,030	to	39,110
41-9099	Sales & Related Workers, Other	MT OJT	CTY	14.36	29,870	23,360	19,000	35,310	20,370	to	34,700
43-0000	**Office & Administrative Support Occupations**	**#**	**CTY**	**14.90**	**30,980**	**28,380**	**19,530**	**36,710**	**21,940**	**to**	**37,140**
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	CTY	22.57	46,960	43,870	30,600	55,130	34,190	to	56,950

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43-2011	Switchboard Operators	ST OJT	CTY	11.31	23,520	22,790	18,330	26,110	19,780	to	26,580
43-2021	Telephone Operators	ST OJT	PA	17.61	36,620	34,830	24,500	42,680	27,680	to	46,450
43-2099	Communications Equipment Operators, Other	ST OJT	PA	22.06	45,880	45,900	37,500	50,080	38,500	to	50,460
43-3011	Bill & Account Collectors	MT OJT	CTY	13.52	28,110	24,440	19,940	32,200	21,150	to	32,100
43-3021	Billing & Posting Clerks	ST OJT	CTY	14.08	29,290	28,850	22,080	32,900	24,550	to	34,500
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	CTY	15.37	31,970	30,870	21,430	37,240	24,300	to	38,000
43-3041	Gaming Cage Workers	ST OJT	PA	13.46	27,990	27,580	20,780	31,600	22,950	to	32,750
43-3051	Payroll & Timekeeping Clerks	MT OJT	CTY	16.17	33,620	33,190	26,010	37,430	28,380	to	37,420
43-3061	Procurement Clerks	MT OJT	CTY	18.05	37,550	38,470	27,760	42,450	32,650	to	43,960
43-3071	Tellers	ST OJT	CTY	11.39	23,700	22,980	20,660	25,210	20,990	to	26,200
43-3099	Financial Clerks, Other	TBD	PA	18.29	38,030	36,560	26,310	43,890	28,870	to	44,950
43-4011	Brokerage Clerks	MT OJT	CTY	20.67	42,990	43,120	32,480	48,240	35,770	to	51,670
43-4021	Correspondence Clerks	ST OJT	CTY	12.39	25,760	25,120	19,850	28,720	21,400	to	28,840
43-4031	Court, Municipal & License Clerks	MT OJT	CTY	14.52	30,200	29,170	22,620	33,990	23,930	to	35,730
43-4041	Credit Authorizers, Checkers & Clerks	ST OJT	CTY	15.80	32,870	28,050	24,100	37,260	25,060	to	32,540
43-4051	Customer Service Representatives	ST OJT	CTY	14.20	29,540	28,120	19,480	34,570	21,830	to	35,870

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43-4061	Eligibility Interviewers, Government Programs	AD	CTY	19.77	41,120	40,540	32,840	45,260	33,050	to	45,210
43-4071	File Clerks	ST OJT	CTY	11.91	24,760	23,130	18,640	27,830	20,000	to	28,000
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	CTY	9.89	20,570	19,860	16,770	22,460	17,540	to	23,130
43-4111	Interviewers	ST OJT	CTY	13.94	29,000	26,830	22,240	32,390	23,290	to	30,920
43-4121	Library Assistants, Clerical	ST OJT	CTY	11.80	24,540	20,060	16,860	28,370	17,630	to	33,600
43-4131	Loan Interviewers & Clerks	ST OJT	CTY	15.04	31,280	29,990	24,900	34,470	26,390	to	34,920
43-4141	New Accounts Clerks	ST OJT	CTY	13.50	28,090	27,990	24,530	29,860	25,290	to	30,840
43-4151	Order Clerks	ST OJT	CTY	13.38	27,820	27,030	21,230	31,120	23,120	to	30,910
43-4161	Human Resources Assistants	ST OJT	CTY	14.91	31,020	29,960	21,390	35,840	23,980	to	37,120
43-4171	Receptionists & Information Clerks	ST OJT	CTY	11.23	23,360	22,110	16,900	26,590	18,530	to	27,040
43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	ST OJT	PA	15.51	32,270	30,260	21,240	37,780	23,310	to	41,860
43-4199	Information & Record Clerks, Other	ST OJT	CTY	20.30	42,230	40,710	34,050	46,320	37,570	to	47,840
43-5011	Cargo & Freight Agents	ST OJT	WIA	13.74	28,570	24,750	16,790	34,460	17,710	to	38,440
43-5021	Couriers & Messengers	ST OJT	CTY	11.15	23,200	22,540	21,030	24,280	20,980	to	24,100
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	CTY	13.82	28,750	27,240	21,570	32,330	23,180	to	32,050
43-5032	Dispatchers	MT OJT	CTY	17.82	37,070	35,010	27,090	42,060	29,390	to	42,600

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43-5041	Meter Readers, Utilities	ST OJT	WIA	22.50	46,810	50,390	31,510	54,460	37,650	to	56,660
43-5051	Postal Service Clerks	ST OJT	CTY	24.79	51,570	53,100	46,330	54,180	53,090	to	54,270
43-5052	Postal Service Mail Carriers	ST OJT	CTY	24.58	51,130	54,400	41,930	55,730	46,080	to	56,510
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	ST OJT	CTY	24.53	51,010	53,090	46,070	53,490	52,990	to	53,080
43-5061	Production, Planning & Expediting Clerks	MT OJT	CTY	19.52	40,600	40,940	21,330	50,230	25,680	to	54,550
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	CTY	13.12	27,300	25,720	18,510	31,690	20,130	to	33,210
43-5081	Stock Clerks & Order Fillers	ST OJT	CTY	10.92	22,720	20,480	16,780	25,680	17,610	to	27,010
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	CTY	14.34	29,840	28,880	22,710	33,400	25,550	to	34,500
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	CTY	20.11	41,830	38,780	30,350	47,580	32,500	to	47,270
43-6012	Legal Secretaries	MT OJT	CTY	16.97	35,290	34,870	27,470	39,200	30,620	to	39,850
43-6013	Medical Secretaries	MT OJT	CTY	12.60	26,200	25,160	21,220	28,690	22,020	to	29,550
43-6014	Secretaries	ST OJT	CTY	13.57	28,220	27,050	20,010	32,330	22,120	to	33,320
43-9011	Computer Operators	MT OJT	CTY	20.41	42,440	49,630	21,510	52,910	23,870	to	55,670
43-9021	Data Entry Keyers	MT OJT	CTY	12.32	25,620	25,700	16,870	29,990	18,610	to	30,100
43-9022	Word Processors & Typists	ST OJT	CTY	15.39	32,020	31,730	24,830	35,610	28,760	to	36,550
43-9031	Desktop Publishers	AD	PA	19.52	40,600	37,440	27,230	47,280	31,150	to	47,260

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43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	CTY	20.42	42,460	40,690	29,600	48,890	32,000	to	51,430
43-9051	Mail Clerks & Mail Machine Operators	ST OJT	CTY	13.53	28,150	28,120	21,370	31,540	23,760	to	33,120
43-9061	Office Clerks, General	ST OJT	CTY	13.30	27,660	25,720	18,370	32,310	20,030	to	32,490
43-9071	Office Machine Operators	ST OJT	WIA	11.54	24,010	25,700	16,800	27,620	18,460	to	28,660
43-9081	Proofreaders & Copy Markers	BD	PA	16.83	35,010	33,990	23,860	40,580	26,870	to	43,370
43-9111	Statistical Assistants	BD	PA	20.88	43,430	41,380	32,330	48,980	35,070	to	50,510
43-9199	Office & Administrative Support Workers, Other	ST OJT	CTY	15.11	31,430	28,920	24,270	35,010	26,400	to	36,920
45-0000	**Farming, Fishing & Forestry Occupations**	**#**	**CTY**	**16.59**	**34,500**	**33,130**	**19,590**	**41,950**	**22,400**	**to**	**44,830**
45-1011	Farm & Forestry Worker Supervisors	WK EXP	WIA	25.13	52,270	49,350	41,240	57,780	43,170	to	62,360
45-2011	Agricultural Inspectors	BD	PA	23.17	48,190	47,850	36,070	54,250	41,030	to	56,790
45-2021	Animal Breeders	WK EXP	PA	14.78	30,740	28,020	21,930	35,140	23,150	to	40,300
45-2041	Graders & Sorters, Agricultural Products	ST OJT	PA	11.67	24,270	23,640	16,720	28,050	18,450	to	29,420
45-2091	Agricultural Equipment Operators	ST OJT	PA	16.60	34,520	33,800	25,630	38,970	28,410	to	38,380
45-2092	Farmworkers & Laborers, Crop, Nursery & Greenhouse	ST OJT	PA	12.18	25,330	23,800	17,100	29,440	18,730	to	28,980
45-2093	Farmworkers, Farm, Ranch & Aquacultural Animals	ST OJT	CTY	12.55	26,100	25,900	17,470	30,420	18,980	to	33,460
45-2099	Agricultural Workers, Other	ST OJT	PA	17.04	35,440	36,780	21,170	42,580	23,350	to	45,410

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45-4011	Forest & Conservation Workers	MT OJT	PA	22.44	46,670	45,520	38,730	50,640	40,670	to	54,030
45-4021	Fallers	MT OJT	PA	13.73	28,570	28,540	20,350	32,670	23,310	to	34,450
45-4022	Logging Equipment Operators	MT OJT	WIA	11.82	24,590	24,900	18,620	27,580	20,210	to	28,690
45-4023	Log Graders & Scalers	MT OJT	WIA	16.04	33,370	33,820	25,480	37,310	28,420	to	38,090
45-4029	Logging Workers, Other	MT OJT	PA	10.52	21,890	21,980	21,810	21,920	20,780	to	23,190
47-0000	**Construction & Extraction Occupations**	**#**	**CTY**	**19.67**	**40,910**	**37,580**	**25,800**	**48,470**	**29,130**	**to**	**49,220**
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	CTY	32.47	67,540	64,560	46,360	78,140	51,390	to	84,870
47-2011	Boilermakers	LT OJT	PA	26.19	54,480	53,980	38,740	62,350	43,850	to	65,250
47-2021	Brickmasons & Blockmasons	LT OJT	CTY	15.23	31,680	28,950	26,920	34,060	26,430	to	37,030
47-2022	Stonemasons	LT OJT	PA	20.60	42,840	35,950	27,200	50,660	28,640	to	55,000
47-2031	Carpenters	LT OJT	CTY	18.50	38,470	37,010	26,120	44,640	30,160	to	48,550
47-2041	Carpet Installers	ST OJT	CTY	13.97	29,050	29,490	18,360	34,390	20,130	to	36,790
47-2042	Floor Layers	MT OJT	WIA	14.38	29,910	32,250	16,740	36,500	17,940	to	40,960
47-2043	Floor Sanders & Finishers	MT OJT	PA	16.57	34,470	33,990	26,690	38,370	28,970	to	38,850
47-2044	Tile & Marble Setters	LT OJT	PA	22.68	47,160	43,280	30,290	55,600	33,740	to	57,250
47-2051	Cement Masons & Concrete Finishers	MT OJT	CTY	21.86	45,460	45,490	28,160	54,110	32,640	to	54,710

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47-2053	Terrazzo Workers & Finishers	LT OJT	PA	23.88	49,660	44,400	24,550	62,220	27,310	to	74,410
47-2061	Construction Laborers	ST OJT	CTY	16.74	34,820	35,230	20,130	42,170	22,780	to	43,630
47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	WIA	19.10	39,730	35,470	27,420	45,890	28,190	to	52,780
47-2072	Pile-Driver Operators	MT OJT	PA	29.52	61,400	59,930	48,400	67,910	50,940	to	70,740
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	CTY	20.59	42,840	37,770	30,470	49,020	31,840	to	52,850
47-2081	Drywall & Ceiling Tile Installers	MT OJT	CTY	17.60	36,610	34,370	29,060	40,380	31,130	to	37,610
47-2082	Tapers	MT OJT	PA	23.75	49,410	49,830	34,700	56,770	38,090	to	57,170
47-2111	Electricians	LT OJT	CTY	20.10	41,800	38,960	31,010	47,190	33,220	to	48,070
47-2121	Glaziers	LT OJT	WIA	16.59	34,500	30,110	19,700	41,900	22,320	to	49,570
47-2131	Insulation Workers, Floor, Ceiling & Wall	ST OJT	CTY	20.37	42,380	37,250	27,040	50,050	29,730	to	55,960
47-2132	Insulation Workers, Mechanical	LT OJT	PA	30.32	63,060	65,170	45,240	71,970	53,820	to	72,890
47-2141	Painters, Construction & Maintenance	MT OJT	CTY	17.60	36,600	37,900	26,180	41,810	28,760	to	43,980
47-2142	Paperhangers	MT OJT	CTY	16.97	35,310	35,910	24,060	40,930	26,630	to	43,210
47-2151	Pipelayers	ST OJT	PA	22.53	46,870	45,480	33,230	53,690	37,090	to	57,210
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	CTY	22.77	47,360	42,880	29,800	56,140	33,420	to	62,890
47-2161	Plasterers & Stucco Masons	LT OJT	PA	22.19	46,160	46,920	34,700	51,890	37,080	to	54,430

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47-2171	Reinforcing Iron & Rebar Workers	LT OJT	PA	30.95	64,370	66,440	48,070	72,520	54,310	to	73,580
47-2181	Roofers	MT OJT	CTY	18.99	39,500	36,750	27,060	45,720	29,060	to	50,250
47-2211	Sheet Metal Workers	LT OJT	CTY	19.49	40,530	32,960	27,270	47,160	27,960	to	57,040
47-2221	Structural Iron & Steel Workers	LT OJT	CTY	14.86	30,900	29,160	23,080	34,810	24,230	to	37,090
47-2231	Solar Photovoltaic Installers	TBD	PA	16.86	35,070	34,320	27,220	38,990	28,260	to	42,480
47-3011	Helpers--Brick, Block & Stonemasons & Tile & Marble Setters	ST OJT	PA	15.53	32,300	30,610	23,490	36,710	25,680	to	37,580
47-3012	Helpers--Carpenters	ST OJT	PA	13.14	27,330	25,660	20,560	30,720	21,840	to	31,430
47-3013	Helpers--Electricians	ST OJT	CTY	10.99	22,860	22,140	18,250	25,170	19,690	to	25,940
47-3014	Helpers--Painters, Paperhangers, Plasterers & Stucco Masons	ST OJT	WIA	9.55	19,860	18,420	16,580	21,500	16,820	to	24,760
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	CTY	12.41	25,820	23,750	21,760	27,850	21,660	to	29,940
47-3016	Helpers--Roofers	ST OJT	PA	12.59	26,180	25,220	18,620	29,960	20,440	to	31,320
47-3019	Helpers, Construction Trades, Other	ST OJT	PA	14.29	29,730	25,020	17,620	35,790	19,170	to	36,270
47-4011	Construction & Building Inspectors	WK EXP	CTY	20.37	42,370	42,430	31,340	47,890	35,720	to	47,390
47-4021	Elevator Installers & Repairers	LT OJT	PA	32.98	68,600	72,330	42,450	81,670	50,290	to	87,640
47-4031	Fence Erectors	MT OJT	PA	16.28	33,850	33,970	25,910	37,830	28,670	to	38,830
47-4041	Hazardous Materials Removal Workers	MT OJT	PA	19.69	40,960	37,350	29,120	46,870	31,280	to	48,490

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47-4051	Highway Maintenance Workers	MT OJT	CTY	17.00	35,350	35,480	25,370	40,350	28,660	to	42,110
47-4061	Rail-Track Laying & Maintenance Equipment Operators	MT OJT	PA	21.06	43,810	43,290	31,970	49,730	34,650	to	53,180
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	MT OJT	WIA	16.51	34,350	30,730	26,160	38,440	27,260	to	41,970
47-4099	Construction & Related Workers, Other	MT OJT	PA	17.43	36,260	29,950	24,620	42,080	26,130	to	42,180
47-5011	Derrick Operators, Oil & Gas	ST OJT	PA	25.38	52,790	54,030	44,330	57,020	49,200	to	58,850
47-5012	Rotary Drill Operators, Oil & Gas	MT OJT	WIA	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	WIA	21.50	44,730	45,010	36,840	48,670	39,950	to	51,650
47-5021	Earth Drillers	MT OJT	PA	21.14	43,960	37,840	29,400	51,240	31,290	to	46,600
47-5031	Explosives Workers, Ordnance Handling Experts & Blasters	MT OJT	PA	22.23	46,240	44,050	38,790	49,960	40,000	to	48,980
47-5041	Continuous Mining Machine Operators	MT OJT	PA	23.61	49,110	50,330	36,590	55,370	42,670	to	57,630
47-5042	Mine Cutting & Channeling Machine Operators	MT OJT	PA	22.54	46,880	49,390	30,440	55,100	33,770	to	55,560
47-5049	Mining Machine Operators, Other	MT OJT	PA	18.87	39,250	35,590	28,970	44,390	30,460	to	50,970
47-5051	Rock Splitters, Quarry	MT OJT	PA	18.33	38,120	37,990	30,730	41,820	32,660	to	43,910
47-5061	Roof Bolters, Mining	MT OJT	PA	25.86	53,800	54,070	49,230	56,080	49,900	to	58,240
47-5071	Roustabouts, Oil & Gas	MT OJT	WIA	14.50	30,170	29,530	26,420	32,040	26,610	to	33,990
47-5081	Helpers--Extraction Workers	ST OJT	PA	14.94	31,070	28,610	24,630	34,280	25,850	to	33,490

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47-5099	Extraction Workers, Other	MT OJT	PA	22.20	46,170	46,940	32,770	52,860	37,780	to	55,560
49-0000	**Installation, Maintenance & Repair Occupations**	**#**	**CTY**	**17.36**	**36,100**	**34,430**	**22,240**	**43,040**	**25,960**	**to**	**44,030**
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	CTY	26.53	55,170	52,960	38,890	63,310	42,370	to	66,070
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	CTY	17.64	36,680	36,410	29,750	40,150	31,440	to	42,310
49-2021	Radio, Cellular & Tower Equipment Installers & Repairers	AD	PA	22.34	46,460	43,680	33,670	52,850	35,880	to	56,490
49-2022	Telecommunications Equipment Installers & Repairers	PS	CTY	26.11	54,310	58,830	34,860	64,040	41,630	to	68,850
49-2091	Avionics Technicians	PS	PA	30.35	63,130	59,390	45,310	72,040	50,050	to	80,250
49-2092	Electric Motor, Power Tool & Related Repairers	PS	PA	18.16	37,780	36,680	27,400	42,970	30,440	to	44,690
49-2093	Electrical & Electronics Installers & Repairers, Transportation Equipment	PS	PA	21.29	44,290	39,270	33,090	49,890	34,890	to	46,710
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	PS	CTY	20.52	42,680	43,370	35,280	46,380	38,570	to	47,620
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation & Relay	PS	WIA	29.46	61,270	61,850	53,780	65,020	54,580	to	69,220
49-2096	Electronic Equipment Installers & Repairers, Motor Vehicles	PS	PA	13.55	28,180	26,950	20,670	31,930	22,430	to	32,900
49-2097	Electronic Home Entertainment Equipment Installers & Repairers	PS	CTY	16.15	33,600	31,430	26,290	37,250	27,400	to	41,060
49-2098	Security & Fire Alarm Systems Installers	MT OJT	CTY	19.99	41,580	42,450	33,480	45,630	37,440	to	46,600
49-3011	Aircraft Mechanics & Service Technicians	PS	PA	24.43	50,820	52,760	34,250	59,100	42,550	to	59,050
49-3021	Automotive Body & Related Repairers	MT OJT	CTY	19.58	40,720	37,080	30,870	45,640	32,860	to	49,520

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49-3022	Automotive Glass Installers & Repairers	MT OJT	WIA	15.54	32,330	33,770	25,520	35,740	28,480	to	36,850
49-3023	Automotive Service Technicians & Mechanics	LT OJT	CTY	15.13	31,460	29,460	20,480	36,960	23,330	to	37,190
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	CTY	19.16	39,860	39,950	30,090	44,750	32,650	to	46,030
49-3041	Farm Equipment Mechanics & Service Technicians	LT OJT	CTY	15.79	32,840	30,430	27,970	35,270	27,670	to	35,700
49-3042	Mobile Heavy Equipment Mechanics	LT OJT	CTY	22.76	47,330	45,370	31,780	55,100	34,830	to	62,070
49-3043	Rail Car Repairers	LT OJT	PA	22.52	46,840	45,090	34,790	52,860	39,070	to	56,670
49-3051	Motorboat Mechanics & Service Technicians	LT OJT	WIA	14.66	30,480	31,410	23,460	34,000	25,880	to	35,830
49-3052	Motorcycle Mechanics	LT OJT	WIA	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	WIA	11.85	24,650	22,910	18,780	27,590	20,240	to	31,080
49-3091	Bicycle Repairers	MT OJT	PA	11.73	24,390	25,320	17,920	27,630	19,470	to	28,810
49-3092	Recreational Vehicle Service Technicians	LT OJT	WIA	15.28	31,790	31,910	24,670	35,340	26,350	to	36,540
49-3093	Tire Repairers & Changers	MT OJT	WIA	11.75	24,440	19,610	16,830	28,250	17,510	to	27,830
49-9011	Mechanical Door Repairers	MT OJT	CTY	14.00	29,110	28,810	23,650	31,850	24,780	to	33,810
49-9012	Control & Valve Installers & Repairers	MT OJT	CTY	19.93	41,460	40,380	29,080	47,660	30,630	to	46,390
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS	CTY	22.08	45,920	47,320	30,220	53,770	34,910	to	56,830
49-9031	Home Appliance Repairers	MT OJT	CTY	12.98	27,010	27,450	16,990	32,010	18,610	to	33,160

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49-9041	Industrial Machinery Mechanics	LT OJT	CTY	20.80	43,260	41,080	34,020	47,880	35,750	to	48,010
49-9043	Maintenance Workers, Machinery	MT OJT	CTY	19.97	41,540	38,750	31,300	46,660	33,430	to	49,200
49-9044	Millwrights	LT OJT	PA	25.80	53,660	54,100	38,080	61,460	42,770	to	65,880
49-9045	Refractory Materials Repairers	PS	PA	18.74	38,980	37,000	32,230	42,360	33,030	to	43,870
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	WIA	30.49	63,430	66,120	54,230	68,020	60,730	to	71,270
49-9052	Telecommunications Line Installers & Repairers	LT OJT	CTY	24.59	51,140	53,590	39,990	56,710	44,820	to	58,640
49-9061	Camera & Photographic Equipment Repairers	AD	PA	20.31	42,240	35,930	30,350	48,180	31,890	to	44,540
49-9062	Medical Equipment Repairers	AD	CTY	19.83	41,240	36,820	25,530	49,090	28,110	to	52,290
49-9063	Musical Instrument Repairers & Tuners	PS	PA	17.13	35,630	35,650	24,980	40,960	27,980	to	42,640
49-9064	Watch Repairers	LT OJT	PA	17.03	35,410	31,930	17,030	44,600	18,760	to	50,820
49-9069	Precision Instrument & Equipment Repairers, Other	AD	PA	23.62	49,120	48,840	38,730	54,320	42,110	to	54,880
49-9071	Maintenance & Repair Workers, General	MT OJT	CTY	15.25	31,730	31,090	20,770	37,200	23,650	to	38,120
49-9091	Coin, Vending & Amusement Machine Servicers & Repairers	ST OJT	CTY	10.84	22,550	19,320	16,710	25,460	17,330	to	28,680
49-9094	Locksmiths & Safe Repairers	LT OJT	CTY	18.42	38,320	37,620	34,100	40,430	33,990	to	43,190
49-9095	Manufactured Building & Mobile Home Installers	MT OJT	PA	14.88	30,960	30,220	19,650	36,610	22,160	to	37,350
49-9096	Riggers	ST OJT	PA	27.23	56,640	53,890	36,280	66,820	43,210	to	77,730

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49-9097	Signal & Track Switch Repairers	PS	PA	17.59	36,590	34,510	29,700	40,030	31,300	to	37,710
49-9098	Helpers--Installation, Maintenance & Repair Workers	MT OJT	CTY	10.34	21,510	19,240	16,710	23,910	17,280	to	24,960
49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	CTY	16.83	35,010	30,700	24,140	40,440	25,270	to	44,950
51-0000	**Production Occupations**	**#**	**CTY**	**15.96**	**33,190**	**31,360**	**20,810**	**39,380**	**23,730**	**to**	**39,450**
51-1011	Supervisors - Production & Operating Workers	PS	CTY	26.54	55,200	51,690	36,090	64,760	41,200	to	66,410
51-2011	Aircraft Structure, Surfaces, Rigging & Systems Assemblers	MT OJT	PA	23.74	49,370	46,170	34,130	56,990	38,570	to	64,780
51-2021	Coil Winders, Tapers & Finishers	ST OJT	WIA	15.05	31,310	31,900	23,890	35,020	25,300	to	36,610
51-2022	Electrical & Electronic Equipment Assemblers	ST OJT	CTY	12.49	25,970	23,960	16,840	30,540	18,520	to	32,140
51-2023	Electromechanical Equipment Assemblers	ST OJT	WIA	14.42	30,000	28,840	23,520	33,240	25,350	to	34,580
51-2031	Engine & Other Machine Assemblers	ST OJT	CTY	16.39	34,100	32,050	25,950	38,170	27,290	to	38,210
51-2041	Structural Metal Fabricators & Fitters	MT OJT	CTY	16.26	33,820	32,790	24,790	38,330	26,920	to	38,460
51-2091	Fiberglass Laminators & Fabricators	MT OJT	PA	14.96	31,110	29,890	24,640	34,350	25,750	to	35,810
51-2092	Team Assemblers	MT OJT	CTY	12.23	25,440	23,200	16,840	29,740	18,030	to	31,210
51-2099	Assemblers & Fabricators, Other	MT OJT	CTY	8.67	18,040	17,910	16,990	18,560	16,710	to	19,100
51-3011	Bakers	LT OJT	CTY	11.27	23,440	21,540	16,840	26,740	18,120	to	28,490
51-3021	Butchers & Meat Cutters	LT OJT	CTY	13.97	29,060	28,710	18,640	34,270	21,140	to	36,550

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51-3022	Meat, Poultry & Fish Cutters & Trimmers	ST OJT	CTY	15.18	31,570	30,340	25,930	34,400	26,630	to	35,710
51-3023	Slaughterers & Meat Packers	MT OJT	PA	13.02	27,080	25,840	20,020	30,610	21,680	to	31,720
51-3091	Food & Tobacco Roasting, Baking & Drying Machine Operators & Tenders	MT OJT	PA	15.36	31,950	32,000	20,850	37,500	22,900	to	40,380
51-3092	Food Batchmakers	ST OJT	CTY	14.34	29,840	30,040	19,940	34,780	23,130	to	37,060
51-3093	Food Cooking Machine Operators & Tenders	ST OJT	CTY	13.92	28,950	28,620	22,070	32,390	23,300	to	34,160
51-3099	Food Processing Workers, Other	ST OJT	PA	11.17	23,230	22,800	18,510	25,590	19,980	to	26,730
51-4011	Computer-Controlled Machine Tool Operators, Metal & Plastic	MT OJT	CTY	15.82	32,910	33,280	23,750	37,490	27,140	to	38,840
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal & Plastic	MT OJT	CTY	17.84	37,100	36,520	32,280	39,520	33,150	to	40,910
51-4021	Extruding & Drawing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	16.61	34,550	34,770	24,950	39,340	28,390	to	41,150
51-4022	Forging Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	16.92	35,200	36,360	27,220	39,190	32,190	to	40,610
51-4023	Rolling Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	15.82	32,890	34,110	28,920	34,880	31,590	to	36,640
51-4031	Cutting, Punching & Press Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	14.26	29,660	28,630	21,040	33,970	23,180	to	35,980
51-4032	Drilling & Boring Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	14.47	30,100	31,250	21,660	34,320	23,100	to	35,670
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	15.38	31,990	31,140	22,350	36,810	25,110	to	38,400
51-4034	Lathe & Turning Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	15.66	32,570	33,710	21,390	38,150	25,120	to	38,760
51-4035	Milling & Planing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	18.81	39,120	41,630	30,980	43,190	35,760	to	45,020

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51-4041	Machinists	LT OJT	CTY	16.89	35,130	34,410	19,460	42,960	22,050	to	46,190
51-4051	Metal-Refining Furnace Operators & Tenders	MT OJT	CTY	16.33	33,960	34,640	31,810	35,030	32,290	to	36,980
51-4052	Pourers & Casters, Metal	MT OJT	CTY	18.76	39,020	40,680	31,780	42,640	34,140	to	44,900
51-4061	Model Makers, Metal & Plastic	LT OJT	CTY	21.73	45,190	49,630	33,190	51,190	34,540	to	55,040
51-4062	Patternmakers, Metal & Plastic	LT OJT	WIA	18.86	39,230	37,700	34,780	41,450	34,370	to	43,840
51-4071	Foundry Mold & Coremakers	MT OJT	CTY	13.67	28,430	26,760	19,530	32,880	21,850	to	33,220
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	15.34	31,910	32,920	22,430	36,660	24,940	to	37,130
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	17.71	36,840	34,090	23,070	43,730	25,540	to	50,730
51-4111	Tool & Die Makers	LT OJT	CTY	22.33	46,440	43,750	33,370	52,980	36,920	to	51,000
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	CTY	15.94	33,150	33,230	25,940	36,750	28,680	to	36,990
51-4122	Welding, Soldering & Brazing Machine Setters, Operators & Tenders	MT OJT	CTY	17.13	35,630	36,230	28,330	39,290	31,600	to	41,660
51-4191	Heat Treating Equipment Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	17.59	36,600	35,340	28,830	40,480	31,870	to	39,330
51-4192	Layout Workers, Metal & Plastic	MT OJT	PA	20.04	41,670	41,790	32,110	46,460	35,680	to	47,080
51-4193	Plating & Coating Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	13.36	27,790	27,460	18,490	32,450	20,080	to	34,760
51-4194	Tool Grinders, Filers & Sharpeners	MT OJT	CTY	14.39	29,930	28,730	21,560	34,110	23,640	to	35,170
51-4199	Metal Workers & Plastic Workers, Other	MT OJT	PA	18.07	37,590	35,040	22,450	45,170	26,660	to	50,510

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51-5111	Prepress Technician & Workers	PS	CTY	17.04	35,450	32,890	24,170	41,090	26,390	to	42,510
51-5112	Printing Press Operators	MT OJT	CTY	15.55	32,340	29,540	22,170	37,430	23,710	to	38,400
51-5113	Print Binding & Finishing Workers	ST OJT	CTY	15.09	31,380	30,690	21,840	36,150	23,750	to	38,060
51-6011	Laundry & Dry-Cleaning Workers	ST OJT	CTY	11.16	23,220	21,530	16,830	26,420	18,000	to	26,470
51-6021	Pressers: Textile, Garment & Related Materials	ST OJT	CTY	10.39	21,620	21,380	16,690	24,090	17,990	to	25,710
51-6031	Sewing Machine Operators	ST OJT	CTY	12.76	26,540	26,430	18,410	30,600	20,300	to	32,740
51-6041	Shoe & Leather Workers & Repairers	MT OJT	PA	13.01	27,050	26,960	16,980	32,090	18,680	to	32,710
51-6042	Shoe Machine Operators & Tenders	ST OJT	PA	11.71	24,360	24,920	19,390	26,840	20,930	to	28,310
51-6051	Sewers, Hand	MT OJT	PA	10.24	21,300	21,290	18,780	22,560	19,670	to	22,910
51-6052	Tailors, Dressmakers & Custom Sewers	MT OJT	PA	17.89	37,210	29,850	20,220	45,710	22,280	to	40,200
51-6061	Textile Bleaching & Dyeing Machine Operators & Tenders	ST OJT	PA	12.32	25,620	23,940	18,360	29,240	19,850	to	30,250
51-6062	Textile Cutting Machine Setters, Operators & Tenders	MT OJT	PA	13.66	28,420	26,550	20,650	32,310	22,570	to	30,970
51-6063	Textile Knitting & Weaving Machine Setters, Operators & Tenders	MT OJT	PA	14.45	30,050	29,190	22,590	33,780	24,590	to	35,180
51-6064	Textile Winding, Twisting & Drawing Out Machine Setters, Operators & Tenders	MT OJT	PA	13.49	28,060	27,500	20,470	31,860	23,070	to	31,510
51-6091	Extruding & Forming Machine Setters, Operators & Tenders, Synthetic & Glass Fibers	MT OJT	PA	15.03	31,250	29,650	21,500	36,130	22,740	to	40,130
51-6092	Fabric & Apparel Patternmakers	MT OJT	PA	20.56	42,760	43,860	31,390	48,440	37,020	to	50,430

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51-6093	Upholsterers	MT OJT	PA	16.12	33,530	30,230	20,940	39,820	22,990	to	43,740
51-6099	Textile, Apparel & Furnishings Workers, Other	ST OJT	PA	21.64	45,020	50,670	28,310	53,370	41,730	to	55,320
51-7011	Cabinetmakers & Bench Carpenters	MT OJT	CTY	17.03	35,420	34,960	25,240	40,510	27,920	to	42,720
51-7021	Furniture Finishers	ST OJT	PA	15.79	32,850	32,110	25,260	36,650	27,280	to	37,390
51-7031	Model Makers, Wood	MT OJT	PA	17.17	35,700	34,720	29,430	38,840	31,820	to	37,620
51-7032	Patternmakers, Wood	MT OJT	PA	18.73	38,960	36,150	27,450	44,710	31,280	to	49,780
51-7041	Sawing Machine Setters, Operators & Tenders, Wood	ST OJT	CTY	11.51	23,950	22,470	18,630	26,610	19,820	to	27,410
51-7042	Woodworking Machine Setters, Operators & Tenders	ST OJT	CTY	13.03	27,100	25,250	19,540	30,890	21,190	to	30,700
51-7099	Woodworkers, Other	MT OJT	PA	20.61	42,860	44,820	33,180	47,700	39,150	to	47,300
51-8011	Nuclear Power Reactor Operators	LT OJT	PA	35.57	73,980	75,800	60,020	80,960	63,570	to	86,070
51-8012	Power Distributors & Dispatchers	LT OJT	WIA	34.09	70,920	69,550	49,710	81,520	56,060	to	84,900
51-8013	Power Plant Operators	LT OJT	WIA	28.51	59,310	62,280	44,090	66,920	48,800	to	70,750
51-8021	Stationary Engineers & Boiler Operators	LT OJT	WIA	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	CTY	20.02	41,640	42,800	29,670	47,620	36,270	to	47,470
51-8091	Chemical Plant & System Operators	LT OJT	WIA	18.56	38,610	37,320	30,180	42,830	32,320	to	45,320
51-8092	Gas Plant Operators	LT OJT	CTY	24.59	51,140	48,220	41,910	55,760	42,530	to	58,190

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51-8093	Petroleum Pump System Operators, Refinery Operators & Gaugers	LT OJT	WIA	30.03	62,470	66,230	52,480	67,470	61,440	to	71,020
51-8099	Plant & System Operators, Other	LT OJT	PA	23.90	49,700	51,040	36,950	56,080	41,520	to	57,590
51-9011	Chemical Equipment Operators & Tenders	MT OJT	CTY	19.11	39,750	39,910	29,200	45,030	32,900	to	47,200
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	MT OJT	CTY	20.68	43,020	42,940	32,490	48,280	38,250	to	48,830
51-9021	Crushing, Grinding & Polishing Machine Setters, Operators & Tenders	MT OJT	WIA	17.69	36,790	38,220	25,570	42,400	27,440	to	45,680
51-9022	Grinding & Polishing Workers, Hand	MT OJT	CTY	12.55	26,100	23,490	20,560	28,870	21,270	to	29,690
51-9023	Mixing & Blending Machine Setters, Operators & Tenders	MT OJT	CTY	18.98	39,480	36,940	28,820	44,810	31,270	to	47,480
51-9031	Cutters & Trimmers, Hand	ST OJT	WIA	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	CTY	15.44	32,110	31,250	25,830	35,250	26,920	to	36,910
51-9041	Extruding, Forming, Pressing & Compacting Machine Setters, Operators & Tenders	MT OJT	CTY	21.54	44,800	48,070	31,910	51,240	36,990	to	54,530
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators & Tenders	MT OJT	WIA	15.47	32,170	30,490	23,740	36,380	26,550	to	38,400
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	CTY	15.06	31,320	28,880	20,880	36,540	23,160	to	38,340
51-9071	Jewelers & Precious Stone & Metal Workers	LT OJT	CTY	22.41	46,600	45,660	43,500	48,150	42,380	to	49,860
51-9081	Dental Laboratory Technicians	MT OJT	CTY	20.78	43,220	38,370	33,800	47,930	34,460	to	46,420
51-9082	Medical Appliance Technicians	LT OJT	CTY	17.24	35,860	35,410	26,140	40,730	28,470	to	42,890
51-9083	Ophthalmic Laboratory Technicians	MT OJT	CTY	12.03	25,030	23,410	20,350	27,370	21,010	to	29,380

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51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	CTY	13.41	27,890	25,990	16,930	33,370	18,000	to	38,300
51-9121	Coating, Painting & Spraying Machine Setters, Operators & Tenders	MT OJT	CTY	14.76	30,690	29,970	24,770	33,660	26,140	to	35,460
51-9122	Painters, Transportation Equipment	MT OJT	CTY	25.92	53,920	53,770	38,730	61,510	42,470	to	67,860
51-9123	Painting, Coating & Decorating Workers	MT OJT	CTY	11.65	24,240	25,360	17,270	27,730	18,970	to	28,840
51-9141	Semiconductor Processors	AD	PA	17.26	35,890	35,520	25,800	40,940	27,550	to	43,910
51-9151	Photographic Process Workers & Processing Machine Operators	ST OJT	CTY	10.84	22,550	21,800	17,910	24,870	19,440	to	24,140
51-9191	Adhesive Bonding Machine Operators & Tenders	MT OJT	CTY	11.56	24,050	24,860	19,330	26,400	20,870	to	28,090
51-9192	Cleaning, Washing & Metal Pickling Equipment Operators & Tenders	MT OJT	CTY	12.87	26,760	26,870	22,480	28,900	24,320	to	29,510
51-9193	Cooling & Freezing Equipment Operators & Tenders	MT OJT	PA	14.94	31,070	29,490	19,960	36,620	21,970	to	40,270
51-9194	Etchers & Engravers	MT OJT	WIA	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	CTY	10.72	22,300	19,760	16,620	25,140	17,330	to	27,060
51-9196	Paper Goods Machine Setters, Operators & Tenders	MT OJT	PA	19.74	41,060	40,240	28,820	47,180	32,090	to	51,070
51-9197	Tire Builders	MT OJT	PA	14.18	29,490	28,330	23,010	32,730	24,230	to	34,230
51-9198	Helpers--Production Workers	ST OJT	CTY	13.00	27,040	26,900	17,080	32,030	18,730	to	34,390
51-9199	Production Workers, Other	MT OJT	WIA	12.53	26,060	18,850	16,810	30,680	17,130	to	23,720
53-0000	**Transportation & Material Moving Occupations**	**#**	**CTY**	**13.72**	**28,540**	**26,540**	**18,200**	**33,700**	**19,850**	**to**	**34,870**

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53-1011	Aircraft Cargo Handling Supervisors	WK EXP	PA	20.96	43,600	41,230	32,620	49,090	34,290	to	53,950
53-1021	Supervisors - Helpers, Laborers & Material Movers	WK EXP	CTY	19.92	41,430	40,120	30,420	46,940	32,810	to	46,830
53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	CTY	24.90	51,790	46,670	34,860	60,250	38,100	to	68,440
53-2012	Commercial Pilots	LT OJT	PA	*	79,730	73,860	41,550	98,830	50,490	to	95,140
53-2021	Air Traffic Controllers	AD	PA	55.47	115,370	126,050	69,500	138,310	82,050	to	147,470
53-3011	Ambulance Drivers & Attendants	MT OJT	WIA	8.51	17,690	17,870	16,780	18,140	16,640	to	19,110
53-3021	Bus Drivers, Transit & Intercity	MT OJT	WIA	12.90	26,830	26,850	19,170	30,660	21,470	to	30,970
53-3022	Bus Drivers, School or Special Client	MT OJT	CTY	13.89	28,900	27,770	19,960	33,370	22,860	to	33,100
53-3031	Driver/Sales Workers	ST OJT	CTY	10.40	21,640	19,020	16,790	24,060	17,190	to	22,970
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	CTY	17.34	36,060	35,710	28,390	39,900	31,300	to	41,420
53-3033	Light Truck or Delivery Services Drivers	ST OJT	CTY	13.63	28,360	23,240	17,300	33,890	18,930	to	31,900
53-3041	Taxi Drivers & Chauffeurs	ST OJT	CTY	10.17	21,150	19,590	16,840	23,300	17,460	to	24,450
53-3099	Motor Vehicle Operators, Other	ST OJT	PA	16.47	34,250	37,090	17,750	42,510	19,210	to	46,310
53-4011	Locomotive Engineers	WK EXP	PA	23.22	48,300	46,840	38,380	53,270	41,570	to	56,140
53-4013	Rail Yard Engineers, Dinkey Operators & Hostlers	MT OJT	PA	20.66	42,970	42,440	32,010	48,460	35,000	to	50,790
53-4021	Railroad Brake, Signal & Switch Operators	MT OJT	PA	26.64	55,410	54,160	42,230	62,000	46,940	to	61,090

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53-4031	Railroad Conductors & Yardmasters	MT OJT	PA	24.03	49,990	46,380	39,010	55,480	40,940	to	59,470
53-4099	Rail Transportation Workers, Other	MT OJT	PA	25.14	52,290	53,510	44,130	56,370	49,000	to	58,020
53-5011	Sailors & Marine Oilers	ST OJT	PA	21.22	44,140	35,850	25,060	53,690	27,030	to	44,840
53-5021	Captains, Mates & Pilots of Water Vessels	BD	PA	27.34	56,860	46,180	27,120	71,730	30,840	to	70,080
53-5031	Ship Engineers	BD	PA	50.40	104,840	68,070	45,190	134,670	49,850	to	122,680
53-6011	Bridge & Lock Tenders	ST OJT	PA	25.14	52,300	52,000	48,170	54,360	50,170	to	54,880
53-6021	Parking Lot Attendants	ST OJT	CTY	9.37	19,490	19,200	16,750	20,860	17,280	to	22,150
53-6031	Automotive & Watercraft Service Attendants	ST OJT	CTY	9.20	19,130	18,740	16,620	20,390	16,990	to	21,760
53-6041	Traffic Technicians	ST OJT	PA	22.93	47,690	45,130	40,100	51,490	40,820	to	53,920
53-6051	Transportation Inspectors	PS	WIA	32.90	68,420	62,870	45,640	79,820	47,220	to	75,820
53-6061	Transportation Attendants	ST OJT	PA	9.83	20,440	18,060	16,580	22,370	16,620	to	21,510
53-6099	Transportation Workers, Other	ST OJT	PA	20.50	42,640	42,070	32,250	47,830	36,130	to	50,040
53-7011	Conveyor Operators & Tenders	ST OJT	WIA	12.40	25,790	24,240	20,840	28,260	21,560	to	30,180
53-7021	Crane & Tower Operators	WK EXP	CTY	19.75	41,080	42,470	32,760	45,240	38,220	to	46,390
53-7032	Excavating & Loading Machine & Dragline Operators	WK EXP	WIA	31.46	65,440	80,430	28,640	83,840	30,190	to	87,770
53-7033	Loading Machine Operators, Underground Mining	ST OJT	PA	23.77	49,440	49,260	42,920	52,690	44,590	to	55,130

* - Occupation generally not compensated at an hourly rate
\# - No data available due to limitations in methodology

PA - Statewide; MSA - Metropolitan Statistical Area;
WIA - Workforce Investment Area; CTY - County

PENNSYLVANIA OCCUPATIONAL WAGES
ERIE COUNTY LABOR MARKET AREA

MAY 2012

(Note: When data for a specific occupation is not available, the most relevant area containing this occupation has been provided, see Area Type.)

SOC Code	Occupational Title	Educ. Level	Area Type	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
53-7041	Hoist & Winch Operators	MT OJT	PA	16.53	34,380	32,880	26,490	38,330	27,960	to	38,320
53-7051	Industrial Truck & Tractor Operators	ST OJT	CTY	13.29	27,640	25,020	20,630	31,150	21,650	to	33,480
53-7061	Cleaners of Vehicles & Equipment	ST OJT	CTY	9.90	20,590	18,800	16,810	22,480	17,110	to	22,420
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	CTY	12.48	25,950	24,440	17,920	29,960	19,490	to	30,520
53-7063	Machine Feeders & Offbearers	ST OJT	CTY	15.31	31,840	29,830	21,520	37,000	23,850	to	41,110
53-7064	Packers & Packagers, Hand	ST OJT	CTY	10.85	22,580	20,380	16,980	25,380	17,780	to	27,600
53-7071	Gas Compressor & Gas Pumping Station Operators	MT OJT	PA	21.96	45,670	46,500	33,370	51,810	36,070	to	54,840
53-7072	Pump Operators	MT OJT	WIA	21.47	44,650	36,610	34,010	49,980	33,480	to	57,980
53-7073	Wellhead Pumpers	MT OJT	WIA	16.81	34,970	32,240	26,730	39,090	27,690	to	39,620
53-7081	Refuse & Recyclable Material Collectors	ST OJT	PA	15.82	32,900	31,880	18,810	39,950	21,290	to	43,210
53-7111	Mine Shuttle Car Operators	ST OJT	PA	25.38	52,790	53,520	49,370	54,500	49,730	to	57,310
53-7121	Tank Car, Truck & Ship Loaders	ST OJT	WIA	21.38	44,460	37,150	27,660	52,860	31,530	to	61,520
53-7199	Material Moving Workers, Other	ST OJT	PA	15.38	32,000	32,500	20,450	37,770	22,930	to	37,860

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