PENNSYLVANIA OCCUPATIONAL WAGES
BUCKS 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**	**21.85**	**45,460**	**36,010**	**20,890**	**57,740**	**23,970**	**to**	**54,800**
11-0000	**Management Occupations**	**#**	**CTY**	**60.12**	**125,050**	**107,440**	**61,430**	**156,860**	**73,180**	**to**	**157,720**
11-1011	Chief Executives	BD+	CTY	88.70	184,500	175,860	99,650	226,930	123,910	to	#
11-1021	General & Operations Managers	AD+	CTY	62.83	130,700	111,690	63,530	164,280	75,740	to	167,290
11-2011	Advertising & Promotions Managers	BD+	CTY	62.16	129,290	133,650	94,450	146,710	123,160	to	144,140
11-2021	Marketing Managers	BD+	CTY	76.36	158,820	139,080	81,520	197,470	91,660	to	#
11-2022	Sales Managers	BD+	CTY	60.57	125,990	113,130	68,080	154,940	76,030	to	159,180
11-2031	Public Relations & Fundraising Managers	BD+	CTY	43.85	91,200	85,820	80,820	96,390	80,140	to	91,490
11-3011	Administrative Services Managers	WK EXP	CTY	48.84	101,590	86,030	55,720	124,530	61,320	to	122,660
11-3021	Computer & Information Systems Managers	BD+	CTY	65.43	136,100	125,970	84,710	161,800	98,200	to	163,050
11-3031	Financial Managers	BD+	CTY	62.21	129,400	124,480	72,330	157,940	86,570	to	154,470
11-3051	Industrial Production Managers	BD+	CTY	49.96	103,910	97,230	67,740	122,000	78,430	to	127,050
11-3061	Purchasing Managers	BD+	CTY	47.18	98,130	89,680	66,240	114,070	70,510	to	120,180
11-3071	Transportation, Storage & Distribution Managers	WK EXP	CTY	57.38	119,360	103,540	66,080	145,990	77,460	to	129,020
11-3111	Compensation & Benefits Managers	BD+	CTY	61.21	127,310	88,870	68,860	156,540	73,500	to	147,790
11-3121	Human Resources Managers	BD+	CTY	63.64	132,360	123,040	77,670	159,710	95,760	to	172,480

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MAY 2012

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11-3131	Training & Development Managers	BD+	CTY	54.86	114,120	122,630	73,620	134,370	83,760	to	138,440
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	87.68	182,370	178,080	92,370	227,370	104,490	to	#
11-9031	Education Administrators, Preschool & Childcare Center/Program	BD+	CTY	22.50	46,810	38,300	32,120	54,150	33,650	to	64,740
11-9032	Education Administrators, Elementary & Secondary School	MD+	CTY	*	125,440	119,000	74,990	150,670	87,930	to	155,180
11-9033	Education Administrators, Postsecondary	MD+	CTY	41.47	86,270	83,390	59,270	99,770	68,830	to	95,560
11-9039	Education Administrators, Other	BD+	CTY	38.44	79,950	66,460	55,020	92,420	57,700	to	75,720
11-9041	Architectural & Engineering Managers	BD+	CTY	67.67	140,740	129,670	94,580	163,830	105,800	to	164,820
11-9051	Food Service Managers	WK EXP	CTY	32.47	67,550	62,880	53,570	74,540	55,530	to	81,870
11-9061	Funeral Service Managers	AD	MSA	50.72	105,500	91,950	84,560	115,970	84,120	to	107,520
11-9071	Gaming Managers	PS+	MSA	33.46	69,600	61,990	53,880	77,460	54,520	to	82,730
11-9081	Lodging Managers	WK EXP	CTY	24.92	51,840	60,070	35,600	59,960	35,930	to	68,470
11-9111	Medical & Health Services Managers	BD	CTY	53.56	111,400	91,320	62,610	135,800	70,800	to	120,510
11-9121	Natural Sciences Managers	BD+	CTY	86.80	180,540	170,560	118,260	211,680	133,840	to	#
11-9131	Postmasters & Mail Superintendents	WK EXP	CTY	33.36	69,380	63,050	54,790	76,680	56,820	to	84,890
11-9141	Property, Real Estate & Community Association Managers	WK EXP	CTY	37.50	78,000	66,510	53,900	90,050	55,780	to	92,200

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11-9151	Social & Community Service Managers	BD+	CTY	27.24	56,670	56,000	46,780	61,610	50,700	to	61,340
11-9161	Emergency Management Directors	BD+	CTY	31.86	66,260	70,390	44,020	77,380	57,250	to	81,130
11-9199	Managers, Other	WK EXP	CTY	53.72	111,740	90,380	60,370	137,420	66,490	to	137,370
13-0000	**Business & Financial Operations Occupations**	**#**	**CTY**	**32.45**	**67,500**	**59,700**	**39,930**	**81,290**	**46,960**	**to**	**80,890**
13-1011	Agents & Business Managers of Artists, Performers & Athletes	BD+	MSA	30.57	63,590	45,160	30,770	80,000	36,200	to	65,780
13-1021	Buyers & Purchasing Agents, Farm Products	LT OJT	MSA	28.04	58,320	55,560	46,340	64,310	49,270	to	61,660
13-1022	Wholesale & Retail Buyers	LT OJT	CTY	28.49	59,250	57,970	41,520	68,120	47,130	to	70,850
13-1023	Purchasing Agents	LT OJT	CTY	29.06	60,440	56,270	42,000	69,650	46,060	to	71,710
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	CTY	28.32	58,910	56,960	39,840	68,450	44,650	to	71,880
13-1032	Insurance Appraisers, Auto Damage	PS	MSA	28.78	59,860	60,720	48,500	65,540	51,760	to	69,300
13-1041	Compliance Officers	BD	CTY	33.30	69,260	64,980	43,840	81,970	49,680	to	87,080
13-1051	Cost Estimators	BD	CTY	29.49	61,340	56,710	45,000	69,510	48,110	to	73,440
13-1071	Human Resources Specialists	BD	CTY	28.52	59,330	56,770	41,030	68,480	46,840	to	71,080
13-1075	Labor Relations Specialists	BD	CTY	14.25	29,640	18,950	17,020	35,940	17,280	to	46,680
13-1081	Logisticians	BD+	CTY	33.17	69,000	67,040	47,650	79,670	52,540	to	85,820
13-1111	Management Analysts	BD+	CTY	35.39	73,610	76,280	36,520	92,150	49,020	to	99,110

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13-1121	Meeting, Convention & Event Planners	BD	CTY	23.23	48,320	46,240	39,510	52,720	41,560	to	54,800
13-1131	Fundraisers	TBD	CTY	30.37	63,160	64,640	50,450	69,520	56,120	to	71,310
13-1141	Compensation, Benefits & Job Analysis Specialists	BD	CTY	33.46	69,590	70,570	48,470	80,150	53,680	to	86,120
13-1151	Training & Development Specialists	BD	CTY	30.01	62,410	60,020	37,750	74,740	44,820	to	77,110
13-1161	Market Research Analysts & Marketing Specialists	BD	CTY	33.57	69,820	66,310	41,220	84,120	49,430	to	88,340
13-1199	Business Operations Specialists, Other	LT OJT	CTY	37.76	78,540	78,310	51,060	92,280	57,450	to	98,920
13-2011	Accountants & Auditors	BD	CTY	34.18	71,100	63,330	45,040	84,130	50,830	to	83,070
13-2021	Appraisers & Assessors of Real Estate	LT OJT	CTY	24.17	50,270	50,380	36,020	57,400	38,090	to	59,230
13-2031	Budget Analysts	BD	CTY	36.07	75,020	71,610	55,520	84,780	58,800	to	90,190
13-2041	Credit Analysts	BD	CTY	29.83	62,050	55,090	41,020	72,570	45,990	to	73,990
13-2051	Financial Analysts	BD	CTY	40.19	83,590	71,710	48,660	101,050	55,750	to	97,080
13-2052	Personal Financial Advisors	BD	MSA	50.37	104,760	80,440	50,550	131,870	58,420	to	120,360
13-2053	Insurance Underwriters	BD	CTY	39.00	81,110	57,530	48,330	97,500	50,510	to	104,260
13-2061	Financial Examiners	BD	CTY	43.33	90,130	79,680	55,870	107,260	64,990	to	114,060
13-2071	Credit Counselors	BD	CTY	20.57	42,790	43,310	35,890	46,240	38,940	to	47,400
13-2072	Loan Officers	MT OJT	CTY	39.62	82,420	58,370	42,830	102,210	45,420	to	93,860

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13-2081	Tax Examiners & Collectors & Revenue Agents	BD	CTY	21.06	43,800	46,440	30,730	50,340	31,580	to	53,500
13-2082	Tax Preparers	MT OJT	CTY	14.98	31,160	33,270	23,200	35,140	30,340	to	36,170
13-2099	Financial Specialists, Other	BD	CTY	18.89	39,290	35,480	34,160	41,860	33,040	to	37,910
15-0000	**Computer & Mathematical Occupations**	**#**	**CTY**	**35.81**	**74,480**	**71,720**	**45,170**	**89,130**	**53,440**	**to**	**91,900**
15-1111	Computer & Information Research Scientists	PhD	MSA	45.22	94,050	90,340	63,350	109,400	73,220	to	113,050
15-1121	Computer Systems Analysts	BD	CTY	38.23	79,510	78,550	53,760	92,390	58,500	to	99,020
15-1122	Information Security Analysts	TBD	CTY	39.18	81,500	78,700	59,270	92,620	65,690	to	102,040
15-1131	Computer Programmers	BD	CTY	33.41	69,500	69,350	48,150	80,170	55,150	to	83,700
15-1132	Software Developers, Applications	BD	CTY	46.16	96,000	95,180	69,710	109,150	78,400	to	115,440
15-1133	Software Developers, Systems Software	BD	CTY	40.58	84,400	76,870	64,340	94,440	68,160	to	92,580
15-1134	Web Developers	TBD	CTY	29.80	61,990	59,920	39,620	73,170	47,660	to	75,390
15-1141	Database Administrators	BD+	CTY	36.36	75,620	72,540	50,850	88,010	58,040	to	91,400
15-1142	Network & Computer Systems Administrators	BD	CTY	38.53	80,140	77,400	54,780	92,810	60,690	to	97,070
15-1143	Computer Network Architects	TBD	CTY	49.46	102,880	103,490	67,940	120,340	75,240	to	132,600
15-1151	Computer User Support Specialists	TBD	CTY	23.06	47,970	43,120	31,200	56,360	34,340	to	55,420
15-1152	Computer Network Support Specialists	TBD	CTY	29.44	61,240	57,040	45,440	69,140	49,730	to	68,480

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15-1199	Computer Occupations, Other	BD	CTY	40.28	83,790	89,410	54,220	98,580	64,550	to	98,500
15-2011	Actuaries	BD+	MSA	55.90	116,270	103,700	72,440	138,190	80,720	to	141,900
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	66.85	139,060	106,940	75,740	170,710	87,160	to	#
15-2041	Statisticians	MD	CTY	39.39	81,920	73,380	61,220	92,280	65,280	to	91,130
17-0000	**Architecture & Engineering Occupations**	**#**	**CTY**	**34.01**	**70,730**	**67,550**	**44,740**	**83,730**	**50,310**	**to**	**87,250**
17-1011	Architects	BD	MSA	37.58	78,160	75,810	47,120	93,670	54,790	to	90,330
17-1012	Landscape Architects	BD	CTY	32.69	67,990	69,400	48,060	77,950	56,480	to	83,010
17-1021	Cartographers & Photogrammetrists	BD	MSA	27.12	56,410	51,040	35,530	66,850	38,140	to	68,310
17-1022	Surveyors	BD	CTY	32.84	68,300	70,470	50,990	76,960	61,140	to	82,130
17-2011	Aerospace Engineers	BD	CTY	40.08	83,370	84,270	52,820	98,640	67,640	to	97,560
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	CTY	45.28	94,190	86,310	58,260	112,160	67,400	to	108,730
17-2041	Chemical Engineers	BD	CTY	42.56	88,520	86,920	82,180	91,680	81,160	to	92,680
17-2051	Civil Engineers	BD	CTY	35.98	74,840	69,440	52,870	85,820	57,760	to	87,140
17-2061	Computer Hardware Engineers	BD	CTY	32.38	67,360	58,840	41,980	80,050	46,990	to	85,650

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17-2071	Electrical Engineers	BD	CTY	41.87	87,090	83,890	59,150	101,060	68,080	to	104,350
17-2072	Electronics Engineers	BD	CTY	46.26	96,220	94,020	76,280	106,190	81,360	to	111,810
17-2081	Environmental Engineers	BD	CTY	35.55	73,950	70,070	42,500	89,680	44,270	to	101,540
17-2111	Health & Safety Engineers	BD	CTY	34.12	70,960	71,530	60,560	76,160	65,670	to	77,250
17-2112	Industrial Engineers	BD	CTY	38.13	79,310	79,420	58,190	89,880	64,270	to	94,010
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	MSA	45.60	94,850	95,480	68,500	108,030	75,760	to	113,500
17-2141	Mechanical Engineers	BD	CTY	38.66	80,420	74,260	58,040	91,600	63,600	to	93,620
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	MSA	46.03	95,750	96,190	76,620	105,320	82,570	to	110,570
17-2171	Petroleum Engineers	BD	MSA	72.28	150,340	133,410	94,570	178,230	107,380	to	179,020
17-2199	Engineers, Other	BD	CTY	39.15	81,430	74,980	62,330	90,990	65,780	to	92,840
17-3011	Architectural & Civil Drafters	AD	CTY	23.12	48,080	45,400	35,970	54,140	40,370	to	57,780
17-3012	Electrical & Electronics Drafters	AD	CTY	27.89	58,020	61,210	43,610	65,220	48,470	to	69,080
17-3013	Mechanical Drafters	AD	CTY	26.01	54,100	49,190	41,380	60,460	43,190	to	58,960
17-3019	Drafters, Other	AD	MSA	31.38	65,280	69,230	42,230	76,800	48,930	to	84,680

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17-3021	Aerospace Engineering & Operations Technicians	AD	MSA	34.27	71,280	70,820	50,560	81,640	61,840	to	85,320
17-3022	Civil Engineering Technicians	AD	CTY	27.24	56,660	55,890	44,200	62,880	49,140	to	65,170
17-3023	Electrical & Electronic Engineering Technicians	AD	CTY	28.61	59,500	52,110	37,340	70,580	42,180	to	70,700
17-3024	Electro-Mechanical Technicians	AD	MSA	27.81	57,850	55,010	42,720	65,420	46,700	to	62,840
17-3025	Environmental Engineering Technicians	AD	CTY	25.91	53,890	56,500	36,780	62,450	42,110	to	66,930
17-3026	Industrial Engineering Technicians	AD	CTY	25.40	52,830	53,480	39,530	59,480	44,990	to	60,320
17-3027	Mechanical Engineering Technicians	AD	CTY	20.29	42,200	42,260	36,530	45,030	38,920	to	45,610
17-3029	Engineering Technicians, Other	AD	MSA	33.86	70,430	77,570	36,140	87,570	47,170	to	92,980
17-3031	Surveying & Mapping Technicians	MT OJT	CTY	25.26	52,530	51,720	40,960	58,320	43,740	to	61,720
19-0000	**Life, Physical & Social Science Occupations**	**#**	**CTY**	**28.89**	**60,100**	**51,590**	**28,580**	**75,860**	**34,890**	**to**	**72,920**
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	MSA	30.43	63,300	58,680	40,110	74,890	43,930	to	73,420
19-1013	Soil & Plant Scientists	BD	MSA	38.68	80,450	72,240	66,050	87,650	66,020	to	100,280
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	MSA	36.17	75,240	65,410	51,370	87,170	54,500	to	87,860
19-1023	Zoologists & Wildlife Biologists	BD	MSA	29.46	61,280	56,860	38,540	72,640	42,930	to	72,900

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19-1029	Biological Scientists, Other	PhD	MSA	39.76	82,710	77,910	57,860	95,140	65,330	to	95,430
19-1031	Conservation Scientists	BD	CTY	27.29	56,760	59,060	39,280	65,490	45,450	to	68,830
19-1032	Foresters	BD	MSA	40.16	83,530	56,170	44,100	103,240	46,400	to	153,310
19-1041	Epidemiologists	MD	MSA	37.72	78,460	80,420	46,220	94,590	50,480	to	100,220
19-1042	Medical Scientists	PhD	CTY	47.74	99,310	83,530	46,540	125,690	54,150	to	117,390
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	MSA	50.44	104,910	106,330	74,240	120,250	88,800	to	116,590
19-2021	Atmospheric & Space Scientists	BD	MSA	35.47	73,790	74,400	49,220	86,070	56,020	to	89,150
19-2031	Chemists	BD	CTY	28.11	58,470	52,050	40,030	67,690	43,200	to	68,130
19-2032	Materials Scientists	BD	CTY	38.02	79,080	75,960	68,900	84,170	69,270	to	85,400
19-2041	Environmental Scientists & Specialists	BD	CTY	19.35	40,260	28,320	27,220	46,780	26,250	to	30,380
19-2042	Geoscientists	BD	CTY	22.65	47,100	37,370	34,240	53,540	33,940	to	58,480
19-2043	Hydrologists	MD	MSA	33.99	70,690	66,940	53,230	79,420	57,390	to	78,150
19-2099	Physical Scientists, Other	BD	MSA	41.40	86,100	87,280	54,550	101,880	61,250	to	110,570
19-3011	Economists	BD	MSA	45.06	93,730	90,530	66,990	107,100	75,850	to	108,750
19-3022	Survey Researchers	BD	CTY	9.62	20,020	18,170	16,880	21,580	16,830	to	19,510

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19-3031	Clinical, Counseling & School Psychologists	PhD	CTY	37.15	77,270	73,590	54,900	88,460	63,120	to	98,290
19-3032	Industrial-Organizational Psychologists	MD	MSA	41.52	86,370	86,680	72,690	93,210	79,220	to	94,140
19-3039	Psychologists, Other	MD	MSA	42.62	88,640	96,020	60,560	102,680	87,280	to	107,650
19-3041	Sociologists	MD	MSA	34.20	71,140	63,590	48,890	82,260	52,630	to	85,800
19-3051	Urban & Regional Planners	MD	CTY	30.11	62,630	63,510	45,480	71,200	50,950	to	75,460
19-3091	Anthropologists & Archeologists	MD	MSA	32.00	66,570	67,090	39,540	80,080	43,140	to	87,110
19-3092	Geographers	BD	MSA	34.63	72,030	71,270	62,760	76,660	64,850	to	80,760
19-3093	Historians	MD	MSA	21.76	45,260	36,870	35,010	50,390	34,050	to	51,350
19-3099	Social Scientists & Related Workers, Other	BD	MSA	39.27	81,680	80,750	63,000	91,030	67,370	to	93,500
19-4011	Agricultural & Food Science Technicians	AD	MSA	21.17	44,020	42,770	31,240	50,420	34,740	to	51,110
19-4021	Biological Technicians	BD	CTY	24.47	50,890	48,340	34,380	59,150	37,420	to	64,610
19-4031	Chemical Technicians	AD	CTY	18.69	38,870	34,650	26,830	44,890	28,640	to	45,010
19-4041	Geological & Petroleum Technicians	AD	CTY	25.04	52,080	51,670	34,880	60,690	35,560	to	64,810
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	MSA	19.45	40,450	36,540	27,950	46,710	32,180	to	45,860
19-4091	Environmental Science & Protection Technicians	AD	MSA	18.02	37,470	35,800	26,120	43,150	29,030	to	43,630

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19-4092	Forensic Science Technicians	BD	CTY	24.70	51,380	46,180	43,360	55,380	43,330	to	62,800
19-4093	Forest & Conservation Technicians	AD	PA	21.33	44,370	43,180	33,940	49,580	38,420	to	50,420
19-4099	Life, Physical & Social Science Technicians, Other	AD	CTY	20.64	42,940	42,810	38,060	45,380	39,840	to	45,790
21-0000	**Community & Social Services Occupations**	**#**	**CTY**	**18.66**	**38,810**	**34,930**	**22,170**	**47,130**	**24,550**	**to**	**48,110**
21-1011	Substance Abuse & Behavioral Disorder Counselors	MT OJT	CTY	18.37	38,200	35,940	29,950	42,330	31,810	to	42,260
21-1012	Educational, Guidance, School & Vocational Counselors	MD	CTY	20.04	41,680	34,950	23,260	50,880	24,830	to	57,560
21-1013	Marriage & Family Therapists	MD	MSA	26.48	55,090	51,640	38,890	63,190	42,430	to	67,460
21-1014	Mental Health Counselors	MD	CTY	23.14	48,130	42,780	32,810	55,790	34,980	to	59,740
21-1015	Rehabilitation Counselors	MD	CTY	15.84	32,940	29,040	23,480	37,660	24,730	to	39,820
21-1019	Counselors, Other	MD	MSA	22.31	46,410	49,160	29,220	55,000	39,640	to	56,940
21-1021	Child, Family & School Social Workers	BD	CTY	23.86	49,630	47,740	29,720	59,580	33,630	to	67,200
21-1022	Healthcare Social Workers	MD	CTY	25.56	53,160	52,560	41,470	59,010	44,860	to	59,520
21-1023	Mental Health & Substance Abuse Social Workers	BD	CTY	21.47	44,660	42,650	34,100	49,940	35,990	to	52,770
21-1029	Social Workers, Other	BD	MSA	32.93	68,490	69,400	54,230	75,620	63,010	to	78,300
21-1091	Health Educators	BD	CTY	32.16	66,900	65,190	51,450	74,620	55,260	to	80,730
21-1092	Probation Officers & Correctional Treatment Specialists	BD	MSA	24.75	51,490	50,410	40,080	57,190	42,990	to	58,270

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21-1093	Social & Human Service Assistants	ST OJT	CTY	12.32	25,630	23,280	19,160	28,870	20,360	to	29,380
21-1094	Community Health Workers	TBD	CTY	24.89	51,770	53,150	34,410	60,450	42,300	to	61,990
21-1099	Community & Social Service Specialists, Other	BD	MSA	15.47	32,180	27,500	16,490	40,030	17,280	to	44,320
21-2011	Clergy	BD	CTY	29.76	61,900	51,270	41,650	72,020	43,580	to	71,510
21-2021	Directors, Religious Activities & Education	BD+	MSA	24.02	49,960	44,390	24,350	62,760	28,130	to	66,440
21-2099	Religious Workers, Other	BD	MSA	12.87	26,780	21,850	17,020	31,660	18,320	to	31,080
23-0000	**Legal Occupations**	**#**	**CTY**	**53.28**	**110,810**	**76,580**	**44,410**	**144,020**	**48,140**	**to**	**150,810**
23-1011	Lawyers	PhD	CTY	81.07	168,630	151,380	81,270	212,310	95,630	to	#
23-1012	Judicial Law Clerks	PhD	MSA	19.50	40,570	41,220	27,970	46,870	31,860	to	46,900
23-1021	Administrative Law Judges, Adjudicators & Hearing Officers	BD+	MSA	48.30	100,460	93,110	66,370	117,500	77,210	to	121,910
23-1022	Arbitrators, Mediators & Conciliators	BD+	MSA	29.46	61,280	46,000	37,510	73,160	39,560	to	59,270
23-1023	Judges, Magistrate Judges & Magistrates	PhD	MSA	28.85	60,010	61,610	45,760	67,130	49,510	to	70,180
23-2011	Paralegals & Legal Assistants	AD	CTY	29.05	60,430	55,840	49,060	66,110	50,500	to	61,290
23-2091	Court Reporters	ST OJT	MSA	24.26	50,460	50,770	23,870	63,760	32,240	to	67,210
23-2093	Title Examiners, Abstractors & Searchers	ST OJT	CTY	21.00	43,690	43,230	37,800	46,630	39,100	to	47,430
23-2099	Legal Support Workers, Other	ST OJT	MSA	26.97	56,100	53,790	38,860	64,720	43,440	to	59,590

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25-0000	**Education, Training & Library Occupations**	**#**	**CTY**	**24.47**	**50,900**	**47,090**	**25,090**	**63,810**	**30,380**	**to**	**65,960**
25-1011	Business Teachers, Postsecondary	PhD	MSA	*	92,150	80,340	46,850	114,810	55,120	to	113,670
25-1021	Computer Science Teachers, Postsecondary	PhD	MSA	*	84,060	71,740	50,710	100,740	57,070	to	97,000
25-1022	Mathematical Science Teachers, Postsecondary	PhD	MSA	*	81,230	70,070	50,370	96,660	56,420	to	92,830
25-1031	Architecture Teachers, Postsecondary	PhD	MSA	*	80,890	77,020	51,260	95,700	57,520	to	101,340
25-1032	Engineering Teachers, Postsecondary	PhD	MSA	*	123,290	124,850	69,180	150,340	80,290	to	152,090
25-1041	Agricultural Sciences Teachers, Postsecondary	PhD	MSA	*	114,750	102,470	66,970	138,640	80,610	to	132,220
25-1042	Biological Science Teachers, Postsecondary	PhD	MSA	*	109,800	92,690	58,260	135,580	67,560	to	135,600
25-1043	Forestry & Conservation Science Teachers, Postsecondary	PhD	MSA	*	102,360	104,490	67,940	119,560	81,790	to	129,550
25-1051	Atmospheric, Earth, Marine & Space Sciences Teachers, Postsecondary	PhD	MSA	*	99,100	91,750	55,060	121,120	59,730	to	124,900
25-1052	Chemistry Teachers, Postsecondary	PhD	MSA	*	86,360	74,210	52,460	103,310	59,270	to	98,300
25-1053	Environmental Science Teachers, Postsecondary	PhD	MSA	*	120,620	114,180	60,310	150,780	71,400	to	147,540
25-1054	Physics Teachers, Postsecondary	PhD	MSA	*	101,050	87,730	56,720	123,210	64,620	to	123,560
25-1061	Anthropology & Archeology Teachers, Postsecondary	PhD	MSA	*	109,050	92,100	58,280	134,430	70,080	to	134,050
25-1062	Area, Ethnic & Cultural Studies Teachers, Postsecondary	PhD	MSA	*	109,480	93,440	52,430	138,000	61,210	to	146,710
25-1063	Economics Teachers, Postsecondary	PhD	MSA	*	111,120	93,400	59,130	137,120	68,700	to	136,050

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25-1064	Geography Teachers, Postsecondary	PhD	MSA	*	90,820	83,330	49,520	111,470	56,440 to 119,770
25-1065	Political Science Teachers, Postsecondary	PhD	MSA	*	110,630	87,190	53,350	139,270	62,970 to 132,740
25-1066	Psychology Teachers, Postsecondary	PhD	MSA	*	79,990	71,610	47,850	96,070	55,230 to 93,970
25-1067	Sociology Teachers, Postsecondary	PhD	MSA	*	84,480	71,760	54,470	99,480	59,780 to 92,690
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	MSA	*	113,760	89,200	50,690	145,290	57,950 to 162,270
25-1072	Nursing Instructors & Teachers, Postsecondary	MD	MSA	*	78,120	67,990	46,830	93,770	53,220 to 87,190
25-1081	Education Teachers, Postsecondary	PhD	MSA	*	75,020	67,170	46,970	89,040	51,590 to 90,790
25-1082	Library Science Teachers, Postsecondary	PhD	MSA	*	69,380	69,110	48,900	79,620	54,560 to 82,340
25-1111	Criminal Justice & Law Enforcement Teachers, Postsecondary	PhD	MSA	*	80,810	66,630	46,380	98,030	51,030 to 102,230
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	MSA	*	91,560	74,150	46,320	114,170	53,030 to 109,960
25-1121	Art, Drama & Music Teachers, Postsecondary	PhD	MSA	*	69,500	64,420	46,740	80,880	50,890 to 84,650
25-1122	Communications Teachers, Postsecondary	PhD	MSA	*	75,620	67,580	47,770	89,550	52,130 to 92,960
25-1123	English Language & Literature Teachers, Postsecondary	PhD	MSA	*	71,820	66,080	47,700	83,870	52,980 to 83,200
25-1124	Foreign Language & Literature Teachers, Postsecondary	PhD	MSA	*	72,850	64,800	47,760	85,400	52,250 to 88,080

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25-1125	History Teachers, Postsecondary	PhD	MSA	*	86,670	76,870	53,220	103,390	60,970	to	95,110
25-1126	Philosophy & Religion Teachers, Postsecondary	PhD	MSA	*	71,340	63,910	42,320	85,840	49,300	to	86,100
25-1191	Graduate Teaching Assistants	BD	MSA	*	39,300	39,460	27,460	45,220	33,190	to	46,380
25-1192	Home Economics Teachers, Postsecondary	PhD	MSA	*	74,070	76,650	42,180	90,010	48,200	to	95,220
25-1193	Recreation & Fitness Studies Teachers, Postsecondary	MD	MSA	*	68,710	59,700	41,730	82,210	46,310	to	85,270
25-1194	Vocational Education Teachers, Postsecondary	WK EXP	MSA	28.44	59,150	54,540	35,790	70,820	43,840	to	67,630
25-1199	Postsecondary Teachers, Other	PhD	MSA	*	76,460	64,280	34,250	97,560	44,310	to	93,430
25-2011	Preschool Teachers	AD	CTY	16.09	33,460	26,630	18,810	40,790	20,600	to	37,500
25-2012	Kindergarten Teachers	BD	CTY	*	49,660	44,820	36,620	56,180	39,320	to	56,100
25-2021	Elementary School Teachers	BD	CTY	*	52,140	48,610	35,980	60,220	39,800	to	62,000
25-2022	Middle School Teachers	BD	MSA	*	61,510	58,230	44,330	70,100	48,220	to	71,660
25-2023	Career/Technical Education Teachers, Middle School	BD+	MSA	*	62,400	58,630	51,410	67,890	52,580	to	69,540
25-2031	Secondary School Teachers	BD	CTY	*	65,090	62,120	46,440	74,420	50,870	to	76,600
25-2032	Career/Technical Education Teachers, Secondary School	BD+	CTY	*	73,360	79,820	52,400	83,840	61,140	to	89,060
25-2051	Special Education Teachers, Preschool	BD	MSA	*	46,880	44,060	40,230	50,200	40,400	to	50,790
25-2052	Special Education Teachers, Kindergarten & Elementary School	BD	CTY	*	60,520	57,700	40,830	70,360	45,730	to	76,960

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25-2053	Special Education Teachers, Middle School	BD	CTY	*	73,180	71,290	53,740	82,900	58,110	to	87,950
25-2054	Special Education Teachers, Secondary School	BD	CTY	*	64,890	63,630	41,670	76,500	48,490	to	79,640
25-2059	Special Education Teachers, Other	BD	MSA	*	61,140	61,250	40,370	71,530	41,950	to	79,610
25-3011	Adult Basic & Secondary Education & Literacy Teachers & Instructors	BD	CTY	28.41	59,100	57,170	49,080	64,110	50,940	to	67,700
25-3021	Self-Enrichment Education Teachers	WK EXP	CTY	13.10	27,260	26,570	17,010	32,380	18,730	to	30,330
25-3098	Substitute Teachers	#	MSA	14.77	30,720	29,120	22,800	34,690	24,730	to	35,770
25-3099	Teachers & Instructors, Other	BD	CTY	*	21,120	18,430	16,880	23,240	16,960	to	20,460
25-4011	Archivists	BD	MSA	24.68	51,330	46,650	27,140	63,430	34,080	to	62,780
25-4012	Curators	MD	MSA	32.57	67,740	67,310	47,960	77,630	56,050	to	75,540
25-4013	Museum Technicians & Conservators	BD	MSA	22.97	47,780	42,650	32,330	55,510	35,030	to	53,890
25-4021	Librarians	MD	CTY	24.20	50,340	47,500	36,640	57,180	40,100	to	57,310
25-4031	Library Technicians	PS	CTY	16.34	33,990	34,810	26,180	37,900	31,800	to	37,820
25-9011	Audio-Visual & Multimedia Collections Specialists	BD+	MSA	22.80	47,420	46,820	26,340	57,960	31,570	to	61,480
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	35.72	74,290	74,640	45,560	88,660	55,530	to	96,570
25-9041	Teacher Assistants	ST OJT	CTY	*	22,700	21,250	16,920	25,590	18,080	to	26,710

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25-9099	Education, Training & Library Workers, Other	BD	MSA	22.39	46,560	42,350	23,060	58,320	31,710	to	56,670
27-0000	**Arts, Design, Entertainment, Sports & Media Occupations**	**#**	**CTY**	**26.09**	**54,270**	**44,910**	**23,870**	**69,470**	**26,900**	**to**	**70,850**
27-1011	Art Directors	BD+	CTY	45.56	94,780	91,470	70,380	106,970	78,010	to	108,550
27-1012	Craft Artists	LT OJT	MSA	12.27	25,530	18,990	17,110	29,740	17,300	to	27,950
27-1013	Fine Artists	LT OJT	MSA	25.45	52,940	44,570	32,230	63,300	35,700	to	67,930
27-1014	Multimedia Artists & Animators	BD	CTY	31.06	64,610	54,340	43,190	75,320	45,880	to	96,750
27-1019	Artists & Related Workers, Other	LT OJT	MSA	33.06	68,760	73,420	38,980	83,640	43,800	to	92,990
27-1021	Commercial & Industrial Designers	BD	CTY	24.01	49,940	51,560	31,050	59,380	34,390	to	59,820
27-1022	Fashion Designers	LT OJT	MSA	32.12	66,810	52,790	37,810	81,320	41,890	to	76,950
27-1023	Floral Designers	ST OJT	MSA	12.47	25,930	23,320	20,570	28,610	21,040	to	28,090
27-1024	Graphic Designers	BD	CTY	26.41	54,940	48,820	33,590	65,620	39,700	to	68,970
27-1025	Interior Designers	BD	MSA	24.67	51,310	48,570	31,330	61,300	37,550	to	63,400
27-1026	Merchandise Displayers & Window Trimmers	MT OJT	MSA	15.74	32,740	30,890	21,720	38,250	23,700	to	37,050
27-1027	Set & Exhibit Designers	BD	MSA	28.92	60,150	47,780	40,390	70,030	42,520	to	66,800
27-1029	Designers, Other	BD	MSA	27.57	57,340	58,530	40,430	65,790	49,070	to	70,020
27-2011	Actors	PS	MSA	13.64	#	#	#	#	#	to	#

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27-2012	Producers & Directors	BD+	CTY	32.21	67,000	63,650	39,560	80,710	43,510	to	74,490
27-2021	Athletes & Sports Competitors	LT OJT	MSA	*	71,210	52,090	25,990	93,820	29,160	to	84,850
27-2022	Coaches & Scouts	LT OJT	CTY	*	26,600	23,120	20,390	29,700	20,950	to	30,780
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	MSA	16.57	#	#	#	#	#	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+	MSA	30.44	63,310	46,560	34,380	77,770	40,490	to	101,660
27-2042	Musicians & Singers	LT OJT	CTY	12.50	#	#	#	#	#	to	#
27-2099	Entertainers & Performers, Sports & Related Workers, Other	ST OJT	MSA	17.42	#	#	#	#	#	to	#
27-3011	Radio & Television Announcers	BD	PA	19.04	39,610	26,690	17,520	50,650	19,110	to	42,060
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	MSA	17.81	37,050	34,070	23,740	43,710	26,820	to	44,930
27-3031	Public Relations Specialists	BD	CTY	32.59	67,790	46,930	31,530	85,930	39,310	to	111,280
27-3041	Editors	BD+	CTY	32.45	67,490	59,760	40,810	80,830	47,250	to	84,040
27-3042	Technical Writers	BD+	CTY	36.36	75,630	79,650	50,780	88,060	61,760	to	92,360
27-3043	Writers & Authors	BD	CTY	44.39	92,320	95,350	61,010	107,980	74,450	to	115,520

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27-3091	Interpreters & Translators	BD	CTY	12.29	25,570	22,410	22,030	27,340	21,080	to	23,730
27-3099	Media & Communication Workers, Other	ST OJT	MSA	21.40	44,520	41,330	26,950	53,300	30,220	to	52,620
27-4011	Audio & Video Equipment Technicians	PS	CTY	21.15	44,000	37,500	23,360	54,320	25,050	to	64,590
27-4012	Broadcast Technicians	AD	MSA	17.76	36,940	31,580	22,200	44,300	24,060	to	48,360
27-4014	Sound Engineering Technicians	PS	MSA	22.58	46,970	41,060	25,140	57,890	29,180	to	56,450
27-4021	Photographers	LT OJT	CTY	14.96	31,120	29,770	26,410	33,480	26,720	to	34,790
27-4031	Camera Operators: TV, Video & Motion Picture	BD	MSA	27.77	57,770	39,780	26,100	73,600	29,160	to	71,450
27-4032	Film & Video Editors	BD+	MSA	29.20	60,730	49,110	32,940	74,620	36,910	to	83,030
27-4099	Media & Communication Equipment Workers, Other	MT OJT	MSA	35.24	73,300	64,520	33,160	93,370	45,640	to	94,810
29-0000	**Healthcare Practitioners & Technical Occupations**	**#**	**CTY**	**34.54**	**71,850**	**60,050**	**36,990**	**89,270**	**44,210**	**to**	**81,340**
29-1011	Chiropractors	PhD	MSA	35.06	72,930	73,080	57,550	80,620	60,850	to	84,850
29-1021	Dentists, General	PhD	CTY	59.66	124,100	137,390	82,320	144,990	77,350	to	151,800
29-1023	Orthodontists	PhD	PA	103.90	216,110	#	120,730	#	166,320	to	#
29-1029	Dentists, Other Specialists	PhD	MSA	100.12	208,240	#	100,510	#	150,000	to	#
29-1031	Dietitians & Nutritionists	BD	CTY	31.44	65,400	62,740	51,370	72,410	53,780	to	79,260
29-1041	Optometrists	PhD	CTY	51.19	106,480	107,930	106,040	106,700	101,640	to	114,230

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29-1051	Pharmacists	PhD	CTY	50.77	105,600	108,180	82,080	117,350	94,090	to	122,470
29-1061	Anesthesiologists	PhD	PA	119.79	249,160	#	220,740	#	#	to	#
29-1062	Family & General Practitioners	PhD	CTY	85.75	178,360	151,700	126,460	204,310	134,330	to	#
29-1064	Obstetricians & Gynecologists	PhD	MSA	113.87	236,840	#	188,150	#	#	to	#
29-1065	Pediatricians, General	PhD	MSA	72.30	150,380	142,450	112,270	169,430	122,000	to	170,840
29-1066	Psychiatrists	PhD	CTY	109.96	228,720	#	#	#	181,760	to	#
29-1069	Physicians & Surgeons, Other	PhD	CTY	107.07	222,710	#	#	#	173,750	to	#
29-1071	Physician Assistants	MD	CTY	31.86	66,280	59,160	44,920	76,960	47,380	to	78,450
29-1081	Podiatrists	PhD	CTY	49.84	103,680	98,720	73,630	118,700	78,030	to	125,100
29-1122	Occupational Therapists	MD	CTY	32.89	68,400	67,800	42,120	81,550	47,630	to	86,600
29-1123	Physical Therapists	PhD	CTY	35.34	73,500	73,430	55,470	82,520	60,680	to	87,130
29-1124	Radiation Therapists	AD	MSA	38.27	79,600	79,220	60,420	89,190	64,640	to	92,590
29-1125	Recreational Therapists	BD	CTY	22.80	47,430	50,000	34,610	53,840	36,700	to	56,270
29-1126	Respiratory Therapists	AD	CTY	27.94	58,110	57,090	54,520	59,900	52,950	to	61,170
29-1127	Speech-Language Pathologists	MD	CTY	39.49	82,140	77,740	65,250	90,580	68,480	to	97,990
29-1128	Exercise Physiologists	MD	MSA	24.47	50,900	53,050	31,850	60,430	34,530	to	67,850

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29-1129	Therapists, Other	BD	MSA	29.25	60,840	51,630	39,020	71,750	43,590	to	59,460
29-1131	Veterinarians	PhD	CTY	47.06	97,880	88,210	58,700	117,470	68,830	to	116,220
29-1141	Registered Nurses	TBD	CTY	31.70	65,930	64,130	48,090	74,840	53,400	to	78,890
29-1151	Nurse Anesthetists	TBD	PA	83.08	172,810	159,000	128,210	195,120	138,280	to	#
29-1161	Nurse Midwives	TBD	MSA	40.91	85,090	85,850	80,560	87,360	80,080	to	91,630
29-1171	Nurse Practitioners	TBD	MSA	41.04	85,370	88,010	55,280	100,410	70,780	to	104,610
29-1181	Audiologists	PhD	MSA	35.15	73,120	76,930	49,940	84,710	55,760	to	88,570
29-1199	Health Diagnosing & Treating Practitioners, Other	MD	MSA	35.21	73,230	68,200	46,980	86,350	54,960	to	86,390
29-2011	Medical & Clinical Laboratory Technologists	BD	CTY	25.10	52,210	52,190	35,830	60,400	40,620	to	61,740
29-2012	Medical & Clinical Laboratory Technicians	AD	CTY	16.76	34,870	33,740	28,090	38,260	30,290	to	37,200
29-2021	Dental Hygienists	AD	CTY	32.00	66,560	68,370	58,940	70,370	63,460	to	73,290
29-2031	Cardiovascular Technologists & Technicians	AD	CTY	28.71	59,720	58,750	44,040	67,550	49,660	to	70,380
29-2032	Diagnostic Medical Sonographers	AD	CTY	22.77	47,360	44,310	42,540	49,780	41,420	to	47,210
29-2033	Nuclear Medicine Technologists	AD	CTY	36.71	76,350	75,820	64,180	82,440	66,610	to	87,430
29-2034	Radiologic Technologists	AD	CTY	31.53	65,580	65,470	50,110	73,320	54,490	to	76,980
29-2035	Magnetic Resonance Imaging Technologists	TBD	CTY	30.32	63,070	64,120	52,950	68,120	55,570	to	71,000

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29-2041	Emergency Medical Technicians & Paramedics	PS	CTY	14.98	31,150	30,300	27,210	33,120	27,240	to	34,750
29-2051	Dietetic Technicians	MT OJT	MSA	14.09	29,310	28,890	18,750	34,590	21,360	to	37,070
29-2052	Pharmacy Technicians	MT OJT	CTY	11.98	24,910	22,170	16,910	28,910	18,380	to	30,920
29-2053	Psychiatric Technicians	PS	MSA	15.95	33,170	33,560	28,580	35,460	30,380	to	36,430
29-2054	Respiratory Therapy Technicians	AD	CTY	27.93	58,090	58,620	48,050	63,110	50,910	to	67,460
29-2055	Surgical Technologists	PS	CTY	21.95	45,650	45,200	39,700	48,620	41,060	to	50,490
29-2056	Veterinary Technologists & Technicians	AD	CTY	17.63	36,670	36,130	28,600	40,710	31,320	to	42,730
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	22.74	47,300	46,600	38,300	51,790	40,650	to	54,150
29-2071	Medical Records & Health Information Technicians	PS	CTY	17.54	36,490	34,530	27,150	41,160	28,590	to	42,320
29-2081	Opticians, Dispensing	LT OJT	MSA	20.91	43,490	42,040	33,140	48,660	36,600	to	46,540
29-2091	Orthotists & Prosthetists	MD	MSA	32.42	67,440	66,620	47,710	77,310	53,160	to	85,780
29-2092	Hearing Aid Specialists	TBD	MSA	30.70	63,860	66,590	46,900	72,340	55,350	to	74,280
29-2099	Health Technologists & Technicians, Other	PS	MSA	24.38	50,700	48,960	36,520	57,790	39,110	to	59,620
29-9011	Occupational Health & Safety Specialists	BD	CTY	35.88	74,630	73,440	59,460	82,220	64,560	to	86,620
29-9012	Occupational Health & Safety Technicians	MT OJT	MSA	23.58	49,050	43,180	31,950	57,600	35,360	to	58,130

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29-9091	Athletic Trainers	BD	CTY	*	36,850	35,430	24,230	43,170	30,620	to	48,790
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	CTY	29.46	61,280	57,180	43,930	69,950	50,130	to	69,340
31-0000	**Healthcare Support Occupations**	**#**	**CTY**	**13.86**	**28,830**	**27,260**	**19,940**	**33,280**	**22,050**	**to**	**33,860**
31-1011	Home Health Aides	ST OJT	CTY	10.27	21,360	21,420	17,300	23,400	18,910	to	23,610
31-1013	Psychiatric Aides	ST OJT	MSA	15.81	32,880	31,610	25,840	36,400	27,160	to	37,320
31-1014	Nursing Assistants	TBD	CTY	14.22	29,580	29,210	24,520	32,110	25,620	to	33,930
31-1015	Orderlies	TBD	MSA	14.94	31,070	30,350	26,410	33,400	27,040	to	35,040
31-2011	Occupational Therapy Assistants	AD	CTY	20.25	42,120	42,060	36,160	45,090	38,320	to	45,560
31-2012	Occupational Therapy Aides	ST OJT	MSA	14.34	29,820	28,560	23,500	32,980	24,890	to	34,260
31-2021	Physical Therapist Assistants	AD	CTY	20.78	43,230	42,690	34,010	47,840	37,290	to	47,160
31-2022	Physical Therapist Aides	MT OJT	CTY	10.72	22,290	19,200	16,720	25,080	17,270	to	27,830
31-9011	Massage Therapists	PS	CTY	26.61	55,340	63,930	32,470	66,780	49,270	to	69,500
31-9091	Dental Assistants	PS	CTY	17.34	36,070	34,270	27,170	40,520	30,560	to	37,890
31-9092	Medical Assistants	MT OJT	CTY	15.30	31,820	31,520	26,560	34,440	27,540	to	35,770
31-9093	Medical Equipment Preparers	MT OJT	CTY	18.66	38,810	38,900	31,550	42,440	33,240	to	44,410

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31-9094	Medical Transcriptionists	PS	CTY	16.49	34,310	35,160	26,500	38,210	31,020	to	39,880
31-9095	Pharmacy Aides	ST OJT	MSA	11.03	22,940	22,040	17,030	25,890	18,690	to	26,820
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	CTY	11.74	24,420	24,620	20,620	26,310	21,640	to	27,810
31-9097	Phlebotomists	TBD	CTY	12.41	25,820	24,460	21,940	27,760	22,110	to	28,940
31-9099	Healthcare Support Workers, Other	ST OJT	MSA	18.45	38,380	37,580	28,060	43,530	30,880	to	45,350
33-0000	**Protective Service Occupations**	**#**	**CTY**	**23.34**	**48,540**	**43,080**	**22,500**	**61,560**	**26,450**	**to**	**71,870**
33-1011	Supervisors - Correctional Officers	WK EXP	MSA	32.21	66,990	66,430	52,630	74,170	56,520	to	76,550
33-1012	Supervisors - Police & Detectives	WK EXP	CTY	46.31	96,320	96,540	83,690	102,640	86,550	to	108,320
33-1021	Supervisors - Fire Fighting & Prevention	PS+	CTY	33.99	70,690	72,290	42,800	84,640	52,490	to	91,500
33-1099	Supervisors - Protective Service Workers, Other	WK EXP	CTY	24.06	50,040	46,480	38,120	56,010	40,780	to	58,740
33-2011	Firefighters	PS	CTY	22.74	47,300	46,320	35,410	53,250	41,180	to	56,980
33-2021	Fire Inspectors & Investigators	WK EXP	CTY	25.28	52,580	47,320	38,370	59,690	40,940	to	64,870
33-3011	Bailiffs	MT OJT	MSA	12.10	25,160	19,390	16,650	29,410	17,330	to	33,250
33-3012	Correctional Officers & Jailers	MT OJT	MSA	21.67	45,070	43,590	38,500	48,350	39,500	to	48,240
33-3021	Detectives & Criminal Investigators	WK EXP	CTY	41.41	86,130	86,360	78,180	90,110	80,520	to	92,540
33-3041	Parking Enforcement Workers	ST OJT	MSA	14.39	29,940	28,920	20,160	34,830	22,300	to	36,960

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33-3051	Police & Sheriff's Patrol Officers	MT OJT	CTY	34.94	72,670	76,420	56,550	80,720	64,730	to	85,930
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	MSA	17.07	35,510	38,860	18,720	43,900	20,230	to	46,870
33-9021	Private Detectives & Investigators	PS+	CTY	19.86	41,300	29,780	27,710	48,100	27,220	to	60,810
33-9031	Gaming Surveillance Officers & Gaming Investigators	ST OJT	MSA	20.40	42,440	41,180	38,010	44,650	41,170	to	45,830
33-9032	Security Guards	ST OJT	CTY	12.28	25,540	22,520	16,970	29,820	18,210	to	29,910
33-9091	Crossing Guards	ST OJT	CTY	14.11	29,340	28,910	25,720	31,160	26,240	to	32,620
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	CTY	9.33	19,400	19,090	16,730	20,740	17,200	to	21,680
33-9093	Transportation Security Screeners	MT OJT	CTY	14.87	30,930	24,320	20,320	36,230	21,390	to	37,130
33-9099	Protective Service Workers, Other	ST OJT	MSA	20.71	43,080	42,310	31,190	49,030	35,430	to	46,900
35-0000	**Food Preparation & Serving Related Occupations**	**#**	**CTY**	**11.02**	**22,910**	**20,260**	**16,670**	**26,040**	**17,510**	**to**	**26,160**
35-1011	Chefs & Head Cooks	WK EXP	CTY	18.00	37,430	36,030	17,040	47,620	18,230	to	54,740
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	CTY	18.87	39,260	38,070	30,190	43,790	31,940	to	46,040
35-2011	Cooks, Fast Food	ST OJT	MSA	9.03	18,780	18,380	16,800	19,760	16,890	to	20,480
35-2012	Cooks, Institution & Cafeteria	ST OJT	CTY	14.79	30,760	29,060	23,530	34,370	25,190	to	35,800
35-2013	Cooks, Private Household	PS	PA	16.83	35,010	34,760	34,070	35,470	32,590	to	36,930

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35-2014	Cooks, Restaurant	MT OJT	CTY	14.72	30,620	30,060	22,250	34,800	24,290	to	36,460
35-2015	Cooks, Short Order	ST OJT	CTY	9.69	20,160	20,390	17,040	21,730	18,000	to	22,750
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	10.76	22,380	21,580	16,830	25,160	18,340	to	26,100
35-3011	Bartenders	ST OJT	CTY	13.19	27,440	24,280	19,440	31,430	20,860	to	30,950
35-3021	Combined Food Preparation & Serving Workers	ST OJT	CTY	8.89	18,480	17,890	16,560	19,440	16,520	to	19,280
35-3022	Counter Attendants, Cafeteria, Food Concession & Coffee Shop	ST OJT	CTY	8.43	17,540	17,700	16,740	17,940	16,520	to	18,870
35-3031	Waiters & Waitresses	ST OJT	CTY	9.98	20,760	19,960	16,690	22,800	17,520	to	23,040
35-3041	Food Servers, Nonrestaurant	ST OJT	CTY	9.68	20,140	18,260	16,640	21,900	16,750	to	21,350
35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	CTY	8.98	18,680	18,590	16,770	19,630	16,970	to	21,070
35-9021	Dishwashers	ST OJT	CTY	8.93	18,570	18,280	16,740	19,490	16,800	to	20,440
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	CTY	13.75	28,590	29,170	20,350	32,710	24,330	to	34,640
35-9099	Food Preparation & Serving Related Workers, Other	ST OJT	MSA	14.97	31,130	32,240	25,420	33,990	27,760	to	35,430
37-0000	**Building & Grounds Cleaning & Maintenance Occupations**	**#**	**CTY**	**13.14**	**27,330**	**24,500**	**17,690**	**32,160**	**19,210**	**to**	**31,800**
37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	CTY	19.46	40,480	39,860	28,320	46,560	29,850	to	46,250
37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	CTY	27.59	57,390	62,940	35,360	68,410	37,400	to	73,160

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37-2011	Janitors & Cleaners	ST OJT	CTY	11.91	24,780	21,810	16,660	28,830	17,920	to	29,340
37-2012	Maids & Housekeeping Cleaners	ST OJT	CTY	10.97	22,820	22,350	18,210	25,120	19,680	to	26,050
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	MSA	16.13	33,540	32,910	26,930	36,850	28,320	to	38,440
37-3011	Landscaping & Groundskeeping Workers	ST OJT	CTY	13.66	28,410	27,310	19,540	32,850	22,080	to	32,810
37-3012	Pesticide Handlers, Sprayers & Applicators, Vegetation	MT OJT	MSA	20.21	42,030	41,420	33,340	46,380	35,290	to	48,280
37-3013	Tree Trimmers & Pruners	ST OJT	CTY	19.62	40,800	41,290	29,640	46,380	33,220	to	49,710
37-3019	Grounds Maintenance Workers, Other	ST OJT	MSA	23.53	48,930	55,460	36,660	55,070	42,220	to	55,470
39-0000	**Personal Care & Service Occupations**	**#**	**CTY**	**12.82**	**26,660**	**22,580**	**16,730**	**31,620**	**18,320**	**to**	**30,190**
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	22.61	47,030	48,060	29,490	55,810	32,930	to	57,280
39-2011	Animal Trainers	MT OJT	CTY	12.75	26,510	26,120	22,000	28,770	22,760	to	29,680
39-2021	Nonfarm Animal Caretakers	ST OJT	CTY	10.16	21,140	20,640	16,780	23,320	17,870	to	24,770
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	CTY	9.94	20,660	19,320	16,760	22,620	17,320	to	23,550

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39-3031	Ushers, Lobby Attendants & Ticket Takers	ST OJT	MSA	11.24	23,370	19,550	16,810	26,660	17,450	to	24,980
39-3091	Amusement & Recreation Attendants	ST OJT	CTY	9.31	19,360	17,920	16,560	20,770	16,540	to	19,570
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	MSA	11.73	24,400	22,010	16,600	28,300	17,970	to	29,440
39-4021	Funeral Attendants	ST OJT	MSA	14.66	30,490	29,260	20,660	35,410	23,190	to	35,790
39-4031	Morticians, Undertakers & Funeral Directors	TBD	MSA	27.61	57,430	48,330	37,020	67,630	39,290	to	79,500
39-5011	Barbers	PS	MSA	12.99	27,010	22,460	18,000	31,520	19,560	to	31,860
39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	CTY	15.88	33,030	27,690	19,820	39,630	21,840	to	37,860
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	9.18	19,090	18,280	17,010	20,130	16,900	to	19,650
39-5093	Shampooers	ST OJT	CTY	8.68	18,060	17,780	16,600	18,790	16,490	to	19,080
39-5094	Skincare Specialists	PS	MSA	11.94	24,820	22,890	17,890	28,290	19,410	to	28,020
39-6011	Baggage Porters & Bellhops	ST OJT	MSA	10.38	21,590	19,180	16,780	23,990	17,280	to	24,030
39-6012	Concierges	MT OJT	MSA	12.31	25,600	23,160	19,280	28,760	20,490	to	29,340
39-7011	Tour Guides & Escorts	MT OJT	CTY	10.74	22,340	22,040	21,650	22,680	20,760	to	23,320
39-7012	Travel Guides	MT OJT	PA	19.58	40,730	40,160	28,620	46,790	30,180	to	51,390

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39-9011	Childcare Workers	ST OJT	CTY	8.82	18,350	18,000	16,590	19,230	16,590	to	19,900
39-9021	Personal Care Aides	ST OJT	CTY	10.74	22,330	22,140	17,690	24,650	19,280	to	25,810
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	CTY	14.67	30,520	27,540	18,750	36,400	20,530	to	38,600
39-9032	Recreation Workers	BD	CTY	14.03	29,170	26,000	19,350	34,080	21,100	to	33,530
39-9041	Residential Advisors	PS	CTY	12.84	26,720	25,360	20,760	29,700	21,820	to	29,340
39-9099	Personal Care & Service Workers, Other	ST OJT	CTY	9.03	18,780	18,800	16,620	19,860	17,000	to	21,340
41-0000	**Sales & Related Occupations**	**#**	**CTY**	**22.89**	**47,600**	**34,810**	**18,340**	**62,230**	**20,160**	**to**	**58,650**
41-1011	Supervisors - Retail Sales Workers	WK EXP	CTY	24.31	50,560	44,970	30,420	60,630	35,140	to	58,200
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	CTY	55.71	115,880	107,100	63,260	142,190	79,600	to	137,160
41-2011	Cashiers	ST OJT	CTY	10.27	21,350	19,080	16,940	23,560	17,290	to	23,900
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	15.12	31,450	28,400	19,070	37,650	20,950	to	38,810
41-2022	Parts Salespersons	MT OJT	CTY	19.02	39,570	40,010	21,660	48,530	24,790	to	50,460
41-2031	Retail Salespersons	ST OJT	CTY	14.24	29,620	23,330	16,930	35,960	18,570	to	36,970
41-3011	Advertising Sales Agents	MT OJT	CTY	33.74	70,190	47,100	32,740	88,910	39,510	to	88,290
41-3021	Insurance Sales Agents	MT OJT	CTY	41.34	85,990	71,900	28,490	114,740	35,970	to	99,380

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41-3031	Securities, Commodities & Financial Services Sales Agents	BD	CTY	54.19	112,710	109,640	41,700	148,220	48,310	to	150,200
41-3041	Travel Agents	MT OJT	CTY	25.03	52,060	49,920	29,840	63,160	31,910	to	70,360
41-3099	Sales Representatives, Other Services	ST OJT	CTY	43.04	89,520	71,010	37,320	115,620	46,120	to	115,820
41-4011	Sales Representatives, Technical & Scientific Products	BD	CTY	45.85	95,360	84,350	58,970	113,550	67,880	to	115,390
41-4012	Sales Representatives	MT OJT	CTY	31.45	65,430	57,590	36,090	80,100	43,740	to	76,920
41-9011	Demonstrators & Product Promoters	ST OJT	MSA	15.99	33,250	33,560	22,130	38,820	24,070	to	38,190
41-9021	Real Estate Brokers	WK EXP	CTY	60.58	126,010	132,260	95,280	141,380	106,420	to	148,660
41-9022	Real Estate Sales Agents	LT OJT	CTY	39.07	81,260	49,840	29,760	107,020	39,130	to	87,370
41-9031	Sales Engineers	BD	CTY	45.36	94,360	96,910	73,030	105,020	79,120	to	111,250
41-9041	Telemarketers	ST OJT	CTY	17.58	36,570	35,680	24,340	42,690	27,720	to	43,970
41-9091	Door-to-Door Sales Workers, News & Street Vendors & Related Workers	ST OJT	MSA	15.07	31,340	30,020	22,890	35,560	26,260	to	36,770
41-9099	Sales & Related Workers, Other	MT OJT	CTY	13.98	29,070	27,470	17,550	34,830	19,190	to	36,000
43-0000	**Office & Administrative Support Occupations**	**#**	**CTY**	**16.85**	**35,060**	**32,720**	**22,080**	**41,540**	**25,140**	**to**	**42,720**
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	CTY	27.53	57,260	53,930	37,950	66,910	42,860	to	68,660
43-2011	Switchboard Operators	ST OJT	CTY	12.99	27,030	26,470	21,270	29,910	22,660	to	31,000
43-2021	Telephone Operators	ST OJT	MSA	19.33	40,200	38,700	29,090	45,760	32,140	to	49,620

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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	16.24	33,780	32,280	25,560	37,890	27,260	to	38,040
43-3021	Billing & Posting Clerks	ST OJT	CTY	17.08	35,520	33,920	26,740	39,910	28,720	to	39,380
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	CTY	18.74	38,990	37,010	28,280	44,340	31,210	to	45,910
43-3041	Gaming Cage Workers	ST OJT	CTY	13.24	27,540	27,030	20,980	30,820	23,150	to	30,810
43-3051	Payroll & Timekeeping Clerks	MT OJT	CTY	19.78	41,140	40,520	32,330	45,550	34,310	to	47,460
43-3061	Procurement Clerks	MT OJT	CTY	18.32	38,110	36,570	30,410	41,960	32,680	to	44,240
43-3071	Tellers	ST OJT	CTY	13.14	27,340	27,020	22,440	29,790	23,600	to	30,400
43-3099	Financial Clerks, Other	TBD	CTY	24.05	50,020	49,920	42,840	53,620	44,230	to	55,760
43-4011	Brokerage Clerks	MT OJT	MSA	22.99	47,820	48,680	37,030	53,210	39,810	to	56,110
43-4021	Correspondence Clerks	ST OJT	MSA	16.61	34,550	34,140	27,630	38,010	29,670	to	38,080
43-4031	Court, Municipal & License Clerks	MT OJT	CTY	21.32	44,350	42,620	30,800	51,120	34,480	to	50,910
43-4041	Credit Authorizers, Checkers & Clerks	ST OJT	CTY	17.44	36,280	33,200	25,800	41,520	27,020	to	43,570
43-4051	Customer Service Representatives	ST OJT	CTY	18.13	37,710	35,380	24,000	44,560	27,980	to	45,080
43-4061	Eligibility Interviewers, Government Programs	AD	CTY	23.79	49,490	47,260	41,210	53,630	44,180	to	56,010
43-4071	File Clerks	ST OJT	CTY	10.54	21,920	19,320	17,040	24,360	17,460	to	25,620

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43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	CTY	11.65	24,240	23,220	20,860	25,930	21,160	to	27,050
43-4111	Interviewers	ST OJT	CTY	17.47	36,350	36,100	29,460	39,790	31,190	to	42,030
43-4121	Library Assistants, Clerical	ST OJT	CTY	12.41	25,800	26,060	18,410	29,500	20,180	to	29,520
43-4131	Loan Interviewers & Clerks	ST OJT	CTY	18.37	38,220	38,880	28,850	42,900	31,070	to	44,830
43-4141	New Accounts Clerks	ST OJT	MSA	16.58	34,480	34,370	27,430	38,000	29,460	to	38,570
43-4151	Order Clerks	ST OJT	CTY	13.96	29,030	28,120	20,620	33,240	23,670	to	33,510
43-4161	Human Resources Assistants	ST OJT	CTY	17.46	36,310	34,480	26,180	41,380	28,260	to	43,230
43-4171	Receptionists & Information Clerks	ST OJT	CTY	11.85	24,640	23,690	17,400	28,270	19,020	to	29,260
43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	ST OJT	CTY	15.66	32,570	32,960	24,670	36,520	26,830	to	37,050
43-4199	Information & Record Clerks, Other	ST OJT	MSA	20.12	41,840	41,380	31,210	47,160	34,510	to	48,400
43-5011	Cargo & Freight Agents	ST OJT	CTY	18.30	38,060	39,060	24,380	44,900	26,300	to	47,600
43-5021	Couriers & Messengers	ST OJT	CTY	15.06	31,330	25,990	21,720	36,140	22,300	to	42,730
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	CTY	20.09	41,780	41,380	29,400	47,980	33,300	to	52,680
43-5032	Dispatchers	MT OJT	CTY	19.77	41,120	37,740	28,170	47,600	30,340	to	48,960
43-5041	Meter Readers, Utilities	ST OJT	MSA	21.10	43,900	43,300	29,090	51,300	33,580	to	54,270
43-5051	Postal Service Clerks	ST OJT	CTY	24.67	51,310	53,100	46,670	53,620	53,080	to	53,110

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43-5052	Postal Service Mail Carriers	ST OJT	CTY	25.92	53,910	56,500	48,190	56,770	54,030	to	56,510
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	ST OJT	CTY	22.26	46,310	53,090	31,740	53,600	34,960	to	54,250
43-5061	Production, Planning & Expediting Clerks	MT OJT	CTY	23.60	49,080	49,810	31,650	57,800	37,310	to	59,440
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	CTY	16.11	33,510	32,420	23,890	38,320	26,270	to	39,400
43-5081	Stock Clerks & Order Fillers	ST OJT	CTY	11.82	24,580	23,040	17,120	28,310	18,780	to	28,990
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	CTY	17.27	35,920	35,920	25,140	41,310	29,070	to	43,320
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	CTY	25.33	52,680	52,340	40,930	58,560	44,930	to	59,080
43-6012	Legal Secretaries	MT OJT	CTY	20.76	43,180	42,780	35,720	46,920	37,900	to	47,650
43-6013	Medical Secretaries	MT OJT	CTY	15.15	31,500	30,780	24,650	34,930	26,060	to	36,550
43-6014	Secretaries	ST OJT	CTY	16.24	33,780	33,020	23,490	38,930	26,230	to	40,170
43-9011	Computer Operators	MT OJT	CTY	23.19	48,230	45,320	36,590	54,060	39,840	to	57,640
43-9021	Data Entry Keyers	MT OJT	CTY	13.92	28,950	28,400	20,860	32,990	23,400	to	34,280
43-9022	Word Processors & Typists	ST OJT	CTY	16.73	34,800	34,480	31,230	36,590	31,760	to	37,310
43-9031	Desktop Publishers	AD	MSA	21.54	44,810	38,890	30,670	51,880	33,130	to	61,230
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	CTY	18.64	38,780	38,560	29,900	43,220	31,510	to	45,090
43-9051	Mail Clerks & Mail Machine Operators	ST OJT	CTY	14.92	31,040	29,160	22,510	35,310	24,660	to	35,850

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43-9061	Office Clerks, General	ST OJT	CTY	14.44	30,040	28,840	18,540	35,800	20,720	to	36,870
43-9071	Office Machine Operators	ST OJT	CTY	13.59	28,260	27,480	22,460	31,160	24,770	to	30,100
43-9081	Proofreaders & Copy Markers	BD	CTY	20.46	42,550	42,670	33,760	46,940	36,460	to	47,840
43-9111	Statistical Assistants	BD	MSA	22.57	46,940	46,160	33,670	53,570	36,700	to	56,680
43-9199	Office & Administrative Support Workers, Other	ST OJT	CTY	13.14	27,330	23,070	22,440	29,770	21,600	to	24,530
45-0000	**Farming, Fishing & Forestry Occupations**	**#**	**CTY**	**12.97**	**26,980**	**24,940**	**21,690**	**29,630**	**22,040**	**to**	**29,090**
45-1011	Farm & Forestry Worker Supervisors	WK EXP	MSA	26.50	55,120	55,290	40,760	62,300	48,940	to	63,460
45-2011	Agricultural Inspectors	BD	MSA	24.82	51,620	50,620	39,580	57,650	42,160	to	59,230
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	MSA	10.50	21,840	21,770	16,550	24,480	17,840	to	26,440
45-2091	Agricultural Equipment Operators	ST OJT	MSA	20.10	41,810	40,000	31,060	47,190	33,040	to	52,020
45-2092	Farmworkers & Laborers, Crop, Nursery & Greenhouse	ST OJT	MSA	13.76	28,630	27,400	21,620	32,140	24,040	to	31,840
45-2093	Farmworkers, Farm, Ranch & Aquacultural Animals	ST OJT	MSA	12.65	26,310	25,990	19,610	29,670	21,570	to	29,540
45-2099	Agricultural Workers, Other	ST OJT	PA	17.04	35,440	36,780	21,170	42,580	23,350	to	45,410
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

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45-4022	Logging Equipment Operators	MT OJT	PA	12.02	24,990	22,920	16,960	29,010	18,600	to	28,940
45-4023	Log Graders & Scalers	MT OJT	PA	16.81	34,960	34,990	27,100	38,890	30,080	to	40,320
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**	**22.79**	**47,400**	**42,710**	**29,280**	**56,450**	**33,660**	**to**	**57,120**
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	CTY	36.49	75,900	72,130	55,130	86,290	59,720	to	88,540
47-2011	Boilermakers	LT OJT	MSA	28.86	60,040	61,850	49,760	65,180	53,230	to	69,260
47-2021	Brickmasons & Blockmasons	LT OJT	CTY	27.13	56,430	55,530	48,160	60,560	49,960	to	61,100
47-2022	Stonemasons	LT OJT	MSA	26.95	56,060	55,440	39,090	64,550	47,510	to	64,030
47-2031	Carpenters	LT OJT	CTY	20.53	42,700	37,490	29,110	49,500	32,410	to	48,030
47-2041	Carpet Installers	ST OJT	MSA	25.83	53,720	43,100	34,990	63,080	36,810	to	68,060
47-2042	Floor Layers	MT OJT	MSA	15.81	32,880	32,750	27,920	35,360	29,460	to	35,960
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	CTY	16.35	34,010	33,500	24,420	38,800	26,530	to	39,290
47-2051	Cement Masons & Concrete Finishers	MT OJT	CTY	20.31	42,240	41,100	33,250	46,740	35,120	to	47,000
47-2053	Terrazzo Workers & Finishers	LT OJT	MSA	25.91	53,890	54,630	38,750	61,450	43,200	to	64,860
47-2061	Construction Laborers	ST OJT	CTY	17.22	35,830	33,440	20,300	43,590	24,080	to	42,990

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47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	CTY	26.16	54,400	54,930	37,750	62,730	41,540	to	65,320
47-2072	Pile-Driver Operators	MT OJT	MSA	29.32	60,980	58,250	51,300	65,830	52,080	to	69,750
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	CTY	25.41	52,860	50,540	39,980	59,300	43,070	to	60,970
47-2081	Drywall & Ceiling Tile Installers	MT OJT	CTY	20.56	42,760	43,730	27,500	50,380	34,460	to	51,510
47-2082	Tapers	MT OJT	CTY	23.56	49,010	45,500	33,860	56,590	35,950	to	61,870
47-2111	Electricians	LT OJT	CTY	26.88	55,910	53,030	36,040	65,840	39,480	to	60,950
47-2121	Glaziers	LT OJT	MSA	21.45	44,620	42,730	29,600	52,130	36,670	to	47,690
47-2131	Insulation Workers, Floor, Ceiling & Wall	ST OJT	MSA	17.72	36,860	35,500	34,210	38,180	33,020	to	37,980
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	17.24	35,860	34,690	29,150	39,210	30,800	to	39,050
47-2142	Paperhangers	MT OJT	PA	18.01	37,460	36,100	27,940	42,230	30,300	to	44,570
47-2151	Pipelayers	ST OJT	MSA	25.01	52,010	50,770	40,510	57,770	43,060	to	61,580
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	CTY	27.15	56,470	49,750	32,120	68,640	35,710	to	80,250
47-2161	Plasterers & Stucco Masons	LT OJT	MSA	23.56	49,010	50,280	39,900	53,570	43,570	to	55,750
47-2171	Reinforcing Iron & Rebar Workers	LT OJT	MSA	43.85	91,200	90,040	85,740	93,940	83,420	to	96,830
47-2181	Roofers	MT OJT	CTY	23.51	48,900	48,720	32,110	57,300	35,200	to	63,540

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47-2211	Sheet Metal Workers	LT OJT	CTY	23.86	49,640	46,300	35,950	56,480	37,980	to	63,210
47-2221	Structural Iron & Steel Workers	LT OJT	MSA	23.42	48,710	45,360	35,120	55,500	37,110	to	56,670
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	MSA	15.63	32,520	29,500	27,110	35,220	26,800	to	36,020
47-3012	Helpers--Carpenters	ST OJT	MSA	13.55	28,190	28,050	21,470	31,550	24,150	to	32,960
47-3013	Helpers--Electricians	ST OJT	MSA	14.77	30,710	28,750	24,240	33,950	25,210	to	33,880
47-3014	Helpers--Painters, Paperhangers, Plasterers & Stucco Masons	ST OJT	MSA	11.59	24,110	23,620	21,390	25,460	21,430	to	27,130
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	CTY	18.27	38,000	32,560	22,230	45,890	25,830	to	54,100
47-3016	Helpers--Roofers	ST OJT	MSA	13.75	28,590	28,440	20,450	32,670	22,400	to	34,340
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	17.37	36,140	32,980	17,130	45,640	18,670	to	51,710
47-4021	Elevator Installers & Repairers	LT OJT	MSA	37.00	76,960	69,580	52,620	89,130	54,820	to	100,740
47-4031	Fence Erectors	MT OJT	MSA	16.99	35,340	35,220	29,970	38,030	31,360	to	39,640
47-4041	Hazardous Materials Removal Workers	MT OJT	MSA	20.06	41,730	39,380	30,490	47,360	32,390	to	49,670
47-4051	Highway Maintenance Workers	MT OJT	CTY	21.46	44,630	48,360	30,970	51,460	37,850	to	54,620
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

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47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	MT OJT	MSA	19.09	39,700	38,320	32,000	43,550	33,450	to	45,250
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	PA	21.20	44,090	41,990	30,250	51,010	33,070	to	54,570
47-5013	Service Unit Operators, Oil, Gas & Mining	MT OJT	PA	23.60	49,090	38,110	29,680	58,800	31,830	to	59,920
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	MSA	18.49	38,460	37,350	34,370	40,500	34,020	to	42,740
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	PA	18.01	37,470	34,390	25,270	43,570	27,890	to	44,910
47-5081	Helpers--Extraction Workers	ST OJT	MSA	12.17	25,300	23,350	22,070	26,920	21,580	to	29,440
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**	**21.44**	**44,590**	**42,490**	**29,310**	**52,230**	**33,520**	**to**	**54,600**

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49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	CTY	34.72	72,210	71,090	53,700	81,460	59,870	to	84,600
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	CTY	21.16	44,010	44,450	32,420	49,800	35,590	to	53,150
49-2021	Radio, Cellular & Tower Equipment Installers & Repairers	AD	MSA	27.93	58,090	57,820	48,600	62,830	52,250	to	65,650
49-2022	Telecommunications Equipment Installers & Repairers	PS	CTY	21.90	45,550	43,390	34,870	50,890	36,850	to	52,800
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	CTY	21.78	45,310	48,100	29,270	53,330	30,880	to	56,630
49-2093	Electrical & Electronics Installers & Repairers, Transportation Equipment	PS	CTY	18.52	38,510	41,720	27,270	44,140	30,820	to	45,550
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	PS	CTY	20.69	43,030	42,630	30,470	49,320	33,820	to	51,480
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation & Relay	PS	MSA	35.69	74,230	74,250	60,780	80,960	64,320	to	86,240
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	MSA	16.30	33,910	31,990	25,640	38,050	26,940	to	40,340
49-2098	Security & Fire Alarm Systems Installers	MT OJT	MSA	25.73	53,530	53,660	38,100	61,240	42,590	to	64,320
49-3011	Aircraft Mechanics & Service Technicians	PS	CTY	24.08	50,090	50,630	38,560	55,850	42,540	to	57,310
49-3021	Automotive Body & Related Repairers	MT OJT	CTY	22.69	47,200	41,190	31,900	54,850	34,020	to	57,610
49-3022	Automotive Glass Installers & Repairers	MT OJT	MSA	14.45	30,060	28,700	22,260	33,960	23,550	to	35,960
49-3023	Automotive Service Technicians & Mechanics	LT OJT	CTY	20.95	43,570	41,680	29,720	50,490	33,350	to	53,560

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49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	CTY	24.32	50,590	47,580	40,250	55,760	41,730	to	57,380
49-3041	Farm Equipment Mechanics & Service Technicians	LT OJT	MSA	16.84	35,030	33,000	21,130	41,980	24,670	to	46,920
49-3042	Mobile Heavy Equipment Mechanics	LT OJT	CTY	23.04	47,930	46,700	34,800	54,500	37,290	to	56,300
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	PA	15.20	31,620	31,130	21,650	36,600	23,030	to	38,540
49-3052	Motorcycle Mechanics	LT OJT	CTY	17.80	37,030	37,360	27,700	41,690	31,020	to	43,790
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	MT OJT	CTY	25.68	53,410	54,120	52,030	54,100	50,720	to	57,530
49-3091	Bicycle Repairers	MT OJT	MSA	12.63	26,280	26,790	20,350	29,240	22,720	to	29,670
49-3092	Recreational Vehicle Service Technicians	LT OJT	CTY	20.75	43,160	42,420	35,980	46,740	38,360	to	46,440
49-3093	Tire Repairers & Changers	MT OJT	MSA	13.06	27,160	26,330	19,640	30,930	21,620	to	31,720
49-9011	Mechanical Door Repairers	MT OJT	PA	16.38	34,060	34,100	22,730	39,730	25,920	to	39,780
49-9012	Control & Valve Installers & Repairers	MT OJT	MSA	25.63	53,300	53,640	39,230	60,340	42,940	to	64,990
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS	CTY	21.77	45,280	45,390	32,710	51,560	37,650	to	54,180
49-9031	Home Appliance Repairers	MT OJT	CTY	17.76	36,940	36,210	34,810	38,010	33,640	to	38,860
49-9041	Industrial Machinery Mechanics	LT OJT	CTY	22.22	46,220	44,330	34,420	52,110	37,710	to	53,450
49-9043	Maintenance Workers, Machinery	MT OJT	CTY	18.33	38,120	35,960	29,090	42,630	30,690	to	43,600

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49-9044	Millwrights	LT OJT	CTY	29.38	61,100	62,990	51,300	66,010	55,120	to	69,260
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	MSA	31.88	66,320	67,590	51,530	73,710	58,410	to	74,750
49-9052	Telecommunications Line Installers & Repairers	LT OJT	CTY	30.73	63,910	66,530	48,480	71,630	59,790	to	72,930
49-9061	Camera & Photographic Equipment Repairers	AD	MSA	22.15	46,070	37,370	32,760	52,720	33,640	to	48,010
49-9062	Medical Equipment Repairers	AD	CTY	27.23	56,630	56,500	40,160	64,870	44,460	to	68,400
49-9063	Musical Instrument Repairers & Tuners	PS	MSA	17.83	37,080	34,920	25,360	42,940	28,570	to	42,670
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	MSA	24.56	51,090	48,700	40,080	56,590	41,900	to	61,160
49-9071	Maintenance & Repair Workers, General	MT OJT	CTY	18.56	38,600	37,060	27,240	44,270	30,960	to	46,200
49-9091	Coin, Vending & Amusement Machine Servicers & Repairers	ST OJT	CTY	12.28	25,530	21,980	16,490	30,050	17,540	to	32,770
49-9094	Locksmiths & Safe Repairers	LT OJT	MSA	16.91	35,160	24,440	22,120	41,680	22,140	to	51,920
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	MSA	23.32	48,510	50,940	36,580	54,470	42,840	to	57,460
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	12.94	26,920	25,800	19,290	30,740	21,040	to	31,180

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49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	CTY	19.54	40,650	37,940	26,430	47,760	28,600	to	53,690
51-0000	**Production Occupations**	#	**CTY**	**18.84**	**39,180**	**37,040**	**24,750**	**46,390**	**28,290**	**to**	**46,720**
51-1011	Supervisors - Production & Operating Workers	PS	CTY	30.89	64,240	64,510	43,630	74,550	49,720	to	77,080
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	MSA	24.28	50,490	47,830	30,490	60,500	35,860	to	67,240
51-2022	Electrical & Electronic Equipment Assemblers	ST OJT	CTY	16.00	33,280	32,940	23,520	38,150	27,040	to	39,140
51-2023	Electromechanical Equipment Assemblers	ST OJT	CTY	14.64	30,440	30,160	24,090	33,620	25,550	to	35,400
51-2031	Engine & Other Machine Assemblers	ST OJT	CTY	15.99	33,260	31,320	25,420	37,170	26,730	to	36,540
51-2041	Structural Metal Fabricators & Fitters	MT OJT	CTY	19.97	41,540	40,890	29,260	47,670	32,920	to	47,750
51-2091	Fiberglass Laminators & Fabricators	MT OJT	CTY	13.97	29,050	28,760	25,350	30,900	25,860	to	32,720
51-2092	Team Assemblers	MT OJT	CTY	15.93	33,130	31,290	23,160	38,110	25,420	to	38,190
51-2099	Assemblers & Fabricators, Other	MT OJT	CTY	13.22	27,490	26,770	20,900	30,790	22,930	to	30,660
51-3011	Bakers	LT OJT	CTY	13.20	27,450	27,800	17,840	32,250	19,220	to	33,350
51-3021	Butchers & Meat Cutters	LT OJT	CTY	18.16	37,760	38,400	28,800	42,250	32,730	to	44,300
51-3022	Meat, Poultry & Fish Cutters & Trimmers	ST OJT	CTY	15.17	31,560	31,640	21,800	36,450	22,580	to	40,530
51-3023	Slaughterers & Meat Packers	MT OJT	MSA	15.10	31,400	30,500	21,920	36,140	23,160	to	39,690

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51-3091	Food & Tobacco Roasting, Baking & Drying Machine Operators & Tenders	MT OJT	MSA	15.48	32,190	33,010	20,790	37,900	22,650	to	40,970
51-3092	Food Batchmakers	ST OJT	CTY	12.47	25,940	24,310	19,700	29,060	21,000	to	29,410
51-3093	Food Cooking Machine Operators & Tenders	ST OJT	MSA	15.83	32,920	30,780	16,500	41,130	17,920	to	46,160
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	21.98	45,730	45,510	33,520	51,830	38,780	to	54,570
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal & Plastic	MT OJT	CTY	24.94	51,870	48,680	40,430	57,580	42,490	to	63,060
51-4021	Extruding & Drawing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	20.80	43,260	43,170	37,350	46,210	39,480	to	46,860
51-4022	Forging Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	22.90	47,640	48,360	40,840	51,030	44,250	to	53,420
51-4023	Rolling Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	18.22	37,890	37,520	33,670	40,000	33,890	to	42,620
51-4031	Cutting, Punching & Press Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	14.37	29,900	27,640	21,920	33,890	22,640	to	36,450
51-4032	Drilling & Boring Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	16.35	34,010	33,890	22,210	39,910	27,140	to	38,720
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	16.93	35,220	34,160	24,200	40,730	26,480	to	40,060
51-4034	Lathe & Turning Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	18.71	38,920	40,010	27,480	44,640	31,380	to	46,960
51-4035	Milling & Planing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	22.33	46,440	45,320	34,250	52,530	39,900	to	54,810
51-4041	Machinists	LT OJT	CTY	21.81	45,360	44,570	33,740	51,170	36,890	to	53,800
51-4051	Metal-Refining Furnace Operators & Tenders	MT OJT	MSA	21.17	44,020	42,870	30,780	50,640	33,950	to	50,630

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51-4052	Pourers & Casters, Metal	MT OJT	MSA	17.62	36,650	35,830	30,040	39,960	31,780	to	41,090
51-4061	Model Makers, Metal & Plastic	LT OJT	MSA	25.75	53,560	55,730	33,720	63,480	36,680	to	68,020
51-4062	Patternmakers, Metal & Plastic	LT OJT	PA	18.13	37,710	36,960	29,610	41,760	31,160	to	43,190
51-4071	Foundry Mold & Coremakers	MT OJT	MSA	21.97	45,700	47,720	29,410	53,850	35,320	to	57,460
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	13.21	27,480	24,820	18,300	32,070	19,980	to	33,680
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	17.76	36,930	35,490	27,320	41,740	29,550	to	43,860
51-4111	Tool & Die Makers	LT OJT	CTY	23.10	48,050	45,790	35,070	54,540	38,680	to	58,210
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	CTY	20.56	42,770	38,280	30,440	48,930	32,900	to	48,600
51-4122	Welding, Soldering & Brazing Machine Setters, Operators & Tenders	MT OJT	CTY	18.57	38,620	38,560	34,350	40,760	34,670	to	43,110
51-4191	Heat Treating Equipment Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	18.00	37,440	36,790	30,840	40,750	32,140	to	42,760
51-4192	Layout Workers, Metal & Plastic	MT OJT	MSA	23.61	49,120	48,180	42,650	52,350	43,340	to	55,600
51-4193	Plating & Coating Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	15.94	33,160	32,820	27,240	36,110	28,580	to	37,030
51-4194	Tool Grinders, Filers & Sharpeners	MT OJT	MSA	16.05	33,380	30,290	25,550	37,300	26,460	to	36,700
51-4199	Metal Workers & Plastic Workers, Other	MT OJT	MSA	15.31	31,850	19,610	16,880	39,340	17,550	to	50,980
51-5111	Prepress Technician & Workers	PS	CTY	20.24	42,100	40,600	34,000	46,150	35,190	to	48,050
51-5112	Printing Press Operators	MT OJT	CTY	18.07	37,580	39,050	24,870	43,930	29,060	to	45,320

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51-5113	Print Binding & Finishing Workers	ST OJT	CTY	15.21	31,630	30,270	19,850	37,520	22,440	to	41,390
51-6011	Laundry & Dry-Cleaning Workers	ST OJT	CTY	11.97	24,890	23,890	19,910	27,380	21,020	to	28,250
51-6021	Pressers: Textile, Garment & Related Materials	ST OJT	MSA	10.43	21,690	21,310	16,970	24,050	18,640	to	23,940
51-6031	Sewing Machine Operators	ST OJT	CTY	14.36	29,860	29,400	21,970	33,810	23,580	to	35,640
51-6041	Shoe & Leather Workers & Repairers	MT OJT	MSA	12.10	25,180	18,680	16,720	29,400	17,020	to	23,360
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	MSA	9.86	20,500	20,450	16,750	22,370	18,260	to	22,540
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	MSA	11.87	24,690	22,940	19,280	27,390	20,330	to	28,180
51-6062	Textile Cutting Machine Setters, Operators & Tenders	MT OJT	CTY	16.83	35,010	28,510	26,990	39,020	26,260	to	49,630
51-6063	Textile Knitting & Weaving Machine Setters, Operators & Tenders	MT OJT	CTY	14.27	29,680	27,820	21,710	33,660	23,460	to	33,780
51-6064	Textile Winding, Twisting & Drawing Out Machine Setters, Operators & Tenders	MT OJT	CTY	15.24	31,700	29,850	24,500	35,310	25,610	to	38,440
51-6091	Extruding & Forming Machine Setters, Operators & Tenders, Synthetic & Glass Fibers	MT OJT	CTY	17.88	37,200	40,600	26,900	42,340	29,320	to	43,960
51-6092	Fabric & Apparel Patternmakers	MT OJT	MSA	18.91	39,340	38,380	31,670	43,180	34,020	to	45,420
51-6093	Upholsterers	MT OJT	CTY	18.53	38,550	40,820	30,040	42,810	33,940	to	44,420
51-6099	Textile, Apparel & Furnishings Workers, Other	ST OJT	MSA	25.38	52,790	53,330	51,090	53,650	50,330	to	56,950

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51-7011	Cabinetmakers & Bench Carpenters	MT OJT	CTY	15.25	31,710	29,540	24,150	35,490	25,290	to	35,940
51-7021	Furniture Finishers	ST OJT	MSA	19.27	40,080	37,600	29,360	45,430	31,530	to	46,480
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	MSA	21.40	44,500	51,340	24,210	54,650	23,780	to	58,410
51-7041	Sawing Machine Setters, Operators & Tenders, Wood	ST OJT	CTY	14.97	31,130	30,530	27,400	33,000	27,490	to	34,700
51-7042	Woodworking Machine Setters, Operators & Tenders	ST OJT	CTY	16.70	34,740	34,090	23,010	40,610	24,580	to	43,160
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	MSA	42.80	89,020	81,030	56,300	105,370	62,830	to	113,590
51-8013	Power Plant Operators	LT OJT	CTY	34.08	70,900	71,650	59,740	76,470	63,400	to	81,170
51-8021	Stationary Engineers & Boiler Operators	LT OJT	MSA	25.15	52,310	53,240	40,400	58,260	44,500	to	59,600
51-8031	Water & Wastewater Treatment Plant & System Operators	LT OJT	CTY	25.53	53,110	48,430	41,970	58,670	43,370	to	59,160
51-8091	Chemical Plant & System Operators	LT OJT	MSA	22.14	46,060	45,030	34,580	51,800	38,890	to	53,110
51-8092	Gas Plant Operators	LT OJT	MSA	21.50	44,730	44,830	34,800	49,690	38,930	to	52,320
51-8093	Petroleum Pump System Operators, Refinery Operators & Gaugers	LT OJT	MSA	26.00	54,070	49,910	41,840	60,190	43,220	to	63,490
51-8099	Plant & System Operators, Other	LT OJT	MSA	24.21	50,370	50,770	41,570	54,760	44,120	to	57,460

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51-9011	Chemical Equipment Operators & Tenders	MT OJT	CTY	20.08	41,770	39,660	26,490	49,410	28,910	to	47,880
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	MT OJT	MSA	20.15	41,900	41,920	33,520	46,100	35,800	to	47,520
51-9021	Crushing, Grinding & Polishing Machine Setters, Operators & Tenders	MT OJT	CTY	23.48	48,830	45,660	40,060	53,220	41,140	to	57,270
51-9022	Grinding & Polishing Workers, Hand	MT OJT	CTY	14.24	29,620	28,640	23,880	32,490	24,700	to	34,240
51-9023	Mixing & Blending Machine Setters, Operators & Tenders	MT OJT	CTY	22.88	47,600	49,310	37,410	52,690	41,360	to	55,770
51-9031	Cutters & Trimmers, Hand	ST OJT	CTY	13.12	27,290	26,230	22,030	29,920	22,770	to	30,540
51-9032	Cutting & Slicing Machine Setters, Operators & Tenders	ST OJT	CTY	16.04	33,360	33,190	25,590	37,240	27,630	to	38,060
51-9041	Extruding, Forming, Pressing & Compacting Machine Setters, Operators & Tenders	MT OJT	CTY	17.88	37,190	34,810	27,720	41,920	28,070	to	45,080
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators & Tenders	MT OJT	MSA	15.41	32,060	30,130	26,270	34,960	26,940	to	36,140
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	CTY	20.47	42,570	41,460	29,210	49,250	33,490	to	50,720
51-9071	Jewelers & Precious Stone & Metal Workers	LT OJT	MSA	17.47	36,340	35,980	25,450	41,780	28,250	to	43,650
51-9081	Dental Laboratory Technicians	MT OJT	CTY	20.23	42,080	41,610	32,880	46,680	35,490	to	49,300
51-9082	Medical Appliance Technicians	LT OJT	CTY	16.92	35,200	34,010	27,580	39,000	28,950	to	40,460
51-9083	Ophthalmic Laboratory Technicians	MT OJT	MSA	16.01	33,310	32,220	26,490	36,720	27,640	to	38,900
51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	CTY	16.97	35,300	35,550	23,160	41,360	24,790	to	43,480
51-9121	Coating, Painting & Spraying Machine Setters, Operators & Tenders	MT OJT	CTY	15.09	31,390	29,280	22,140	36,020	23,530	to	37,190

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51-9122	Painters, Transportation Equipment	MT OJT	CTY	19.85	41,280	42,450	31,950	45,940	36,970	to	46,650
51-9123	Painting, Coating & Decorating Workers	MT OJT	CTY	19.63	40,840	41,020	32,590	44,960	35,210	to	45,960
51-9141	Semiconductor Processors	AD	CTY	19.73	41,050	41,450	34,490	44,320	36,550	to	45,440
51-9151	Photographic Process Workers & Processing Machine Operators	ST OJT	CTY	13.40	27,880	26,310	16,890	33,370	18,480	to	33,780
51-9191	Adhesive Bonding Machine Operators & Tenders	MT OJT	CTY	14.27	29,680	29,340	21,470	33,790	22,800	to	35,670
51-9192	Cleaning, Washing & Metal Pickling Equipment Operators & Tenders	MT OJT	MSA	14.96	31,110	29,260	23,180	35,080	24,940	to	37,420
51-9193	Cooling & Freezing Equipment Operators & Tenders	MT OJT	MSA	17.53	36,450	29,330	24,960	42,200	25,940	to	51,630
51-9194	Etchers & Engravers	MT OJT	CTY	12.94	26,910	23,560	22,030	29,360	21,660	to	27,450
51-9195	Molders, Shapers & Casters, Except Metal & Plastic	LT OJT	CTY	15.65	32,550	32,230	26,230	35,710	28,270	to	36,670
51-9196	Paper Goods Machine Setters, Operators & Tenders	MT OJT	CTY	20.34	42,300	42,520	34,610	46,140	37,580	to	47,070
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	12.41	25,820	25,790	20,540	28,460	22,130	to	29,090
51-9199	Production Workers, Other	MT OJT	CTY	16.97	35,300	36,690	26,480	39,710	29,750	to	42,110
53-0000	**Transportation & Material Moving Occupations**	**#**	**CTY**	**16.10**	**33,490**	**31,360**	**20,450**	**40,000**	**23,160**	**to**	**40,680**
53-1011	Aircraft Cargo Handling Supervisors	WK EXP	MSA	21.42	44,560	43,810	32,740	50,460	34,600	to	55,070
53-1021	Supervisors - Helpers, Laborers & Material Movers	WK EXP	CTY	26.15	54,390	55,350	35,440	63,870	42,370	to	66,880

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53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	CTY	34.54	71,830	72,370	51,420	82,040	57,790	to	85,680
53-2012	Commercial Pilots	LT OJT	CTY	*	58,420	53,280	41,380	66,940	48,330	to	58,250
53-2021	Air Traffic Controllers	AD	MSA	67.31	140,010	147,460	103,400	158,310	126,270	to	165,760
53-2022	Airfield Operations Specialists	LT OJT	MSA	26.28	54,660	53,330	41,650	61,160	45,460	to	63,150
53-3011	Ambulance Drivers & Attendants	MT OJT	MSA	11.42	23,750	23,870	18,850	26,200	20,230	to	27,500
53-3021	Bus Drivers, Transit & Intercity	MT OJT	CTY	14.79	30,770	29,780	27,900	32,210	27,310	to	33,750
53-3022	Bus Drivers, School or Special Client	MT OJT	CTY	16.89	35,140	35,090	28,610	38,400	30,140	to	40,180
53-3031	Driver/Sales Workers	ST OJT	CTY	12.93	26,890	18,720	16,500	32,080	16,900	to	41,660
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	CTY	20.65	42,950	41,420	31,260	48,800	35,150	to	48,050
53-3033	Light Truck or Delivery Services Drivers	ST OJT	CTY	15.75	32,770	32,220	21,400	38,450	24,840	to	38,760
53-3041	Taxi Drivers & Chauffeurs	ST OJT	CTY	10.82	22,510	21,870	18,210	24,660	19,610	to	24,270
53-3099	Motor Vehicle Operators, Other	ST OJT	MSA	18.91	39,340	36,970	28,290	44,860	31,870	to	49,640
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
53-4031	Railroad Conductors & Yardmasters	MT OJT	PA	24.03	49,990	46,380	39,010	55,480	40,940	to	59,470

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BUCKS 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 ($)	Mid Range Annual Wage ($)		
53-4099	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	MSA	33.60	69,900	35,340	25,530	92,080	27,300	to	54,530
53-5021	Captains, Mates & Pilots of Water Vessels	BD	MSA	26.35	54,810	41,230	27,730	68,350	30,220	to	58,050
53-5031	Ship Engineers	BD	MSA	51.64	107,420	69,860	47,090	137,590	51,500	to	125,010
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	10.05	20,910	20,650	16,700	23,020	18,050	to	23,220
53-6031	Automotive & Watercraft Service Attendants	ST OJT	CTY	8.60	17,890	17,810	16,760	18,460	16,580	to	19,040
53-6041	Traffic Technicians	ST OJT	MSA	23.32	48,500	45,320	40,740	52,380	41,130	to	55,690
53-6051	Transportation Inspectors	PS	MSA	40.90	85,070	90,190	52,520	101,350	58,830	to	113,470
53-6061	Transportation Attendants	ST OJT	MSA	8.34	17,350	17,390	16,570	17,740	16,280	to	18,500
53-6099	Transportation Workers, Other	ST OJT	MSA	19.87	41,330	41,360	35,390	44,300	37,790	to	45,090
53-7011	Conveyor Operators & Tenders	ST OJT	MSA	15.25	31,710	31,100	22,870	36,140	24,060	to	37,550
53-7021	Crane & Tower Operators	WK EXP	CTY	36.03	74,940	80,190	57,150	83,840	65,790	to	87,390
53-7032	Excavating & Loading Machine & Dragline Operators	WK EXP	MSA	24.81	51,600	47,550	38,970	57,920	41,710	to	62,630
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
53-7041	Hoist & Winch Operators	MT OJT	PA	16.53	34,380	32,880	26,490	38,330	27,960	to	38,320

* - 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
BUCKS 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 ($)	Mid Range Annual Wage ($)		
53-7051	Industrial Truck & Tractor Operators	ST OJT	CTY	17.86	37,140	37,490	29,710	40,860	32,060	to	42,840
53-7061	Cleaners of Vehicles & Equipment	ST OJT	CTY	11.90	24,760	23,460	19,410	27,440	20,560	to	28,050
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	CTY	14.22	29,580	28,230	20,730	34,010	22,940	to	35,790
53-7063	Machine Feeders & Offbearers	ST OJT	CTY	12.89	26,800	25,250	17,970	31,220	19,550	to	33,420
53-7064	Packers & Packagers, Hand	ST OJT	CTY	11.27	23,450	22,670	16,820	26,760	18,400	to	28,120
53-7071	Gas Compressor & Gas Pumping Station Operators	MT OJT	MSA	19.32	40,190	39,940	31,490	44,530	33,570	to	46,180
53-7072	Pump Operators	MT OJT	MSA	28.40	59,070	56,090	29,990	73,610	30,780	to	71,300
53-7073	Wellhead Pumpers	MT OJT	PA	18.94	39,390	38,870	26,910	45,630	30,500	to	48,060
53-7081	Refuse & Recyclable Material Collectors	ST OJT	CTY	15.82	32,900	33,200	21,260	38,710	26,190	to	39,640
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	PA	20.93	43,540	39,410	29,510	50,560	32,320	to	53,870
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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