PENNSYLVANIA OCCUPATIONAL WAGES
DELAWARE 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**	**23.33**	**48,520**	**37,600**	**21,520**	**62,020**	**24,650**	**to**	**60,340**
11-0000	**Management Occupations**	**#**	**CTY**	**55.80**	**116,070**	**100,960**	**57,910**	**145,150**	**70,560**	**to**	**144,390**
11-1011	Chief Executives	BD+	CTY	94.29	196,120	#	99,800	244,280	126,660	to	#
11-1021	General & Operations Managers	AD+	CTY	59.34	123,430	104,120	60,620	154,830	70,950	to	155,160
11-2011	Advertising & Promotions Managers	BD+	CTY	80.36	167,150	148,930	97,950	201,750	108,610	to	#
11-2021	Marketing Managers	BD+	CTY	73.93	153,780	144,460	85,030	188,150	105,090	to	186,990
11-2022	Sales Managers	BD+	CTY	63.93	132,980	112,900	73,590	162,670	83,550	to	170,250
11-2031	Public Relations & Fundraising Managers	BD+	CTY	64.18	133,490	116,550	84,890	157,790	91,230	to	169,850
11-3011	Administrative Services Managers	WK EXP	CTY	49.73	103,430	96,560	66,230	122,030	78,120	to	119,920
11-3021	Computer & Information Systems Managers	BD+	CTY	65.06	135,330	127,960	89,900	158,050	102,770	to	160,520
11-3031	Financial Managers	BD+	CTY	62.70	130,410	116,620	57,050	167,090	63,640	to	170,270
11-3051	Industrial Production Managers	BD+	CTY	53.98	112,280	102,710	75,430	130,700	83,340	to	133,200
11-3061	Purchasing Managers	BD+	CTY	59.47	123,690	120,760	90,120	140,480	99,180	to	139,070
11-3071	Transportation, Storage & Distribution Managers	WK EXP	CTY	48.21	100,280	99,480	70,700	115,070	79,860	to	116,710
11-3111	Compensation & Benefits Managers	BD+	CTY	70.46	146,550	113,080	76,720	181,460	85,020	to	#
11-3121	Human Resources Managers	BD+	CTY	68.68	142,850	134,140	78,650	174,950	94,900	to	177,420

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DELAWARE COUNTY LABOR MARKET AREA

MAY 2012

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11-3131	Training & Development Managers	BD+	CTY	61.49	127,890	115,000	75,740	153,970	86,510	to	153,720
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	51.38	106,870	100,350	71,920	124,350	80,230	to	129,530
11-9031	Education Administrators, Preschool & Childcare Center/Program	BD+	MSA	21.96	45,680	43,190	32,340	52,360	35,970	to	52,240
11-9032	Education Administrators, Elementary & Secondary School	MD+	CTY	*	110,250	112,750	86,180	122,290	97,080	to	130,570
11-9033	Education Administrators, Postsecondary	MD+	CTY	49.58	103,120	98,850	56,390	126,480	69,790	to	130,080
11-9039	Education Administrators, Other	BD+	CTY	66.41	138,140	113,350	93,990	160,220	100,210	to	141,270
11-9041	Architectural & Engineering Managers	BD+	CTY	67.96	141,360	142,610	110,910	156,580	123,700	to	166,640
11-9051	Food Service Managers	WK EXP	CTY	31.15	64,790	56,450	45,060	74,660	47,430	to	83,780
11-9061	Funeral Service Managers	AD	CTY	40.85	84,980	86,090	84,350	85,290	81,190	to	91,000
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	21.24	44,170	36,620	34,850	48,830	33,860	to	63,310
11-9111	Medical & Health Services Managers	BD	CTY	44.11	91,740	83,090	56,540	109,340	62,880	to	110,650
11-9121	Natural Sciences Managers	BD+	CTY	72.28	150,340	120,350	84,560	183,230	94,150	to	#
11-9131	Postmasters & Mail Superintendents	WK EXP	CTY	37.19	77,360	79,110	63,040	84,530	73,390	to	86,350
11-9141	Property, Real Estate & Community Association Managers	WK EXP	CTY	26.89	55,940	36,550	21,880	72,970	23,100	to	59,000

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11-9151	Social & Community Service Managers	BD+	CTY	34.77	72,320	61,510	50,000	83,480	53,360	to	83,110
11-9161	Emergency Management Directors	BD+	CTY	29.83	62,040	38,880	35,040	75,550	35,070	to	81,490
11-9199	Managers, Other	WK EXP	CTY	49.95	103,910	96,680	63,780	123,970	73,080	to	116,810
13-0000	**Business & Financial Operations Occupations**	**#**	**CTY**	**35.15**	**73,110**	**66,870**	**43,190**	**88,070**	**50,270**	**to**	**88,560**
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	25.31	52,640	47,140	38,190	59,870	41,910	to	60,560
13-1023	Purchasing Agents	LT OJT	CTY	35.20	73,220	70,960	49,850	84,900	56,670	to	89,210
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	CTY	29.30	60,940	58,560	42,200	70,310	46,770	to	73,760
13-1032	Insurance Appraisers, Auto Damage	PS	CTY	28.82	59,950	62,260	47,750	66,050	51,830	to	69,700
13-1041	Compliance Officers	BD	CTY	36.67	76,270	70,780	48,510	90,160	56,290	to	90,190
13-1051	Cost Estimators	BD	CTY	32.22	67,010	61,700	43,750	78,640	49,410	to	85,190
13-1071	Human Resources Specialists	BD	CTY	33.34	69,350	67,120	45,100	81,470	51,760	to	83,900
13-1075	Labor Relations Specialists	BD	CTY	11.08	23,040	18,330	17,390	25,860	17,100	to	19,560
13-1081	Logisticians	BD+	MSA	36.51	75,940	75,530	54,460	86,690	61,920	to	90,520
13-1111	Management Analysts	BD+	CTY	48.60	101,090	90,540	61,160	121,050	68,760	to	123,710

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13-1121	Meeting, Convention & Event Planners	BD	CTY	25.02	52,040	51,080	36,670	59,720	39,520	to	62,980
13-1131	Fundraisers	TBD	CTY	26.43	54,980	54,970	39,050	62,940	45,560	to	65,570
13-1141	Compensation, Benefits & Job Analysis Specialists	BD	CTY	32.67	67,960	60,860	50,830	76,520	53,230	to	77,400
13-1151	Training & Development Specialists	BD	CTY	32.17	66,910	62,580	41,650	79,540	47,750	to	86,370
13-1161	Market Research Analysts & Marketing Specialists	BD	CTY	29.57	61,500	55,370	34,860	74,820	41,320	to	76,920
13-1199	Business Operations Specialists, Other	LT OJT	CTY	36.25	75,400	75,460	45,230	90,490	56,870	to	93,100
13-2011	Accountants & Auditors	BD	CTY	37.40	77,800	70,530	47,280	93,060	53,760	to	92,400
13-2021	Appraisers & Assessors of Real Estate	LT OJT	MSA	26.24	54,590	51,930	38,960	62,400	42,600	to	64,150
13-2031	Budget Analysts	BD	MSA	35.87	74,620	72,390	54,430	84,710	59,720	to	89,150
13-2041	Credit Analysts	BD	CTY	26.71	55,560	50,760	36,160	65,270	38,820	to	59,960
13-2051	Financial Analysts	BD	CTY	33.33	69,330	64,670	46,220	80,880	52,030	to	83,700
13-2052	Personal Financial Advisors	BD	CTY	61.95	128,850	87,440	49,950	168,300	61,240	to	185,680
13-2053	Insurance Underwriters	BD	CTY	36.28	75,470	72,030	45,940	90,240	50,290	to	99,450
13-2061	Financial Examiners	BD	CTY	28.72	59,740	58,520	49,580	64,820	51,460	to	67,920
13-2071	Credit Counselors	BD	CTY	26.30	54,710	47,740	38,920	62,610	41,380	to	60,990
13-2072	Loan Officers	MT OJT	CTY	26.86	55,870	54,930	42,180	62,720	44,560	to	67,080

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13-2081	Tax Examiners & Collectors & Revenue Agents	BD	CTY	25.03	52,060	48,290	24,910	65,640	28,880	to	68,920
13-2082	Tax Preparers	MT OJT	CTY	19.63	40,820	29,300	26,410	48,030	26,750	to	35,270
13-2099	Financial Specialists, Other	BD	CTY	25.44	52,920	36,600	27,600	65,580	29,400	to	75,470
15-0000	**Computer & Mathematical Occupations**	**#**	**CTY**	**42.51**	**88,410**	**84,760**	**49,860**	**107,690**	**59,980**	**to**	**114,010**
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	42.73	88,870	92,730	61,860	102,380	71,000	to	109,770
15-1122	Information Security Analysts	TBD	CTY	44.38	92,320	87,010	52,640	112,160	63,360	to	115,610
15-1131	Computer Programmers	BD	CTY	44.38	92,310	83,580	62,640	107,150	68,080	to	114,770
15-1132	Software Developers, Applications	BD	CTY	43.56	90,610	90,120	64,660	103,580	73,640	to	109,060
15-1133	Software Developers, Systems Software	BD	CTY	54.05	112,430	118,650	80,520	128,390	92,260	to	136,950
15-1134	Web Developers	TBD	CTY	28.58	59,440	54,820	44,830	66,750	47,760	to	63,810
15-1141	Database Administrators	BD+	CTY	36.65	76,230	74,080	53,490	87,600	60,870	to	90,390
15-1142	Network & Computer Systems Administrators	BD	CTY	44.12	91,760	82,680	56,400	109,450	62,620	to	125,110
15-1143	Computer Network Architects	TBD	CTY	67.37	140,130	111,320	89,420	165,490	97,480	to	148,250
15-1151	Computer User Support Specialists	TBD	CTY	22.37	46,520	42,680	33,290	53,140	35,700	to	52,670
15-1152	Computer Network Support Specialists	TBD	CTY	30.46	63,360	60,320	38,250	75,920	45,240	to	76,900

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15-1199	Computer Occupations, Other	BD	CTY	40.79	84,850	84,400	56,420	99,070	63,140	to	103,830
15-2011	Actuaries	BD+	CTY	62.76	130,550	105,360	79,200	156,220	84,880	to	165,430
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	40.23	83,680	82,670	59,380	95,840	67,290	to	95,700
15-2041	Statisticians	MD	CTY	33.68	70,050	57,720	47,970	81,080	50,650	to	89,850
17-0000	**Architecture & Engineering Occupations**	**#**	**CTY**	**41.64**	**86,620**	**84,690**	**55,500**	**102,170**	**65,450**	**to**	**109,150**
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	MSA	32.16	66,880	59,120	51,320	74,660	52,770	to	83,180
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	26.47	55,070	54,470	47,480	58,860	49,350	to	59,600
17-2011	Aerospace Engineers	BD	MSA	41.62	86,570	84,050	64,010	97,840	70,330	to	97,040
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	MSA	40.69	84,630	83,100	62,130	95,880	69,560	to	95,900
17-2041	Chemical Engineers	BD	CTY	50.18	104,380	108,090	74,920	119,110	88,760	to	127,960
17-2051	Civil Engineers	BD	CTY	40.75	84,770	76,820	65,740	94,280	68,680	to	93,430
17-2061	Computer Hardware Engineers	BD	MSA	38.62	80,340	80,270	51,620	94,690	59,300	to	102,240

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17-2071	Electrical Engineers	BD	CTY	49.95	103,890	102,840	71,450	120,120	78,130	to	129,620
17-2072	Electronics Engineers	BD	CTY	47.25	98,290	96,160	70,600	112,130	76,920	to	116,700
17-2081	Environmental Engineers	BD	CTY	42.66	88,730	89,220	68,940	98,620	78,260	to	103,530
17-2111	Health & Safety Engineers	BD	CTY	28.83	59,970	58,380	28,210	75,860	29,810	to	85,590
17-2112	Industrial Engineers	BD	CTY	41.46	86,230	84,430	62,420	98,130	68,140	to	104,060
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	44.81	93,210	92,580	64,510	107,560	72,870	to	114,210
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	MSA	43.16	89,770	92,200	52,400	108,460	66,220	to	113,470
17-3011	Architectural & Civil Drafters	AD	CTY	21.10	43,890	43,710	39,240	46,210	40,160	to	47,260
17-3012	Electrical & Electronics Drafters	AD	CTY	33.68	70,050	69,430	49,090	80,530	56,600	to	85,940
17-3013	Mechanical Drafters	AD	CTY	32.79	68,200	70,200	40,320	82,130	51,210	to	88,150
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	MSA	25.44	52,910	51,860	37,810	60,460	41,630	to	59,120
17-3023	Electrical & Electronic Engineering Technicians	AD	CTY	24.76	51,510	50,220	35,430	59,550	39,660	to	60,020
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	MSA	20.96	43,590	40,460	30,630	50,070	32,790	to	52,740
17-3026	Industrial Engineering Technicians	AD	MSA	27.19	56,560	52,840	37,180	66,250	42,520	to	68,510
17-3027	Mechanical Engineering Technicians	AD	CTY	35.30	73,420	81,180	50,200	85,030	66,410	to	89,260
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	26.80	55,740	58,940	38,280	64,460	42,500	to	69,080
19-0000	**Life, Physical & Social Science Occupations**	**#**	**CTY**	**30.53**	**63,500**	**60,880**	**26,440**	**82,030**	**35,040**	**to**	**84,770**
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	30.85	64,170	64,530	49,660	71,420	53,940	to	74,770
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	50.25	104,520	71,580	47,040	133,260	49,800	to	121,650
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	31.46	65,440	65,670	44,160	76,090	47,110	to	79,480
19-2032	Materials Scientists	BD	MSA	38.17	79,400	75,010	63,490	87,350	66,360	to	91,100
19-2041	Environmental Scientists & Specialists	BD	CTY	46.89	97,540	83,030	50,900	120,860	56,740	to	156,620
19-2042	Geoscientists	BD	MSA	28.89	60,090	55,690	37,040	71,620	40,390	to	73,260
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	11.06	23,010	18,770	16,960	26,040	17,150	to	23,960

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19-3031	Clinical, Counseling & School Psychologists	PhD	CTY	36.88	76,700	71,540	42,270	93,920	49,040	to	103,350
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	25.78	53,620	54,070	33,580	63,640	38,320	to	69,340
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	MSA	24.12	50,160	48,740	36,410	57,030	40,530	to	59,700
19-4031	Chemical Technicians	AD	CTY	25.39	52,820	51,200	30,810	63,820	34,810	to	70,300
19-4041	Geological & Petroleum Technicians	AD	MSA	25.39	52,810	48,700	33,770	62,330	36,760	to	60,650
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	MSA	22.45	46,700	46,000	39,810	50,150	41,380	to	52,850
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	MSA	24.46	50,870	50,400	33,750	59,430	40,860	to	60,400
21-0000	**Community & Social Services Occupations**	**#**	**CTY**	**19.93**	**41,450**	**38,140**	**24,550**	**49,900**	**28,000**	**to**	**52,020**
21-1011	Substance Abuse & Behavioral Disorder Counselors	MT OJT	CTY	20.13	41,880	39,600	25,010	50,310	28,660	to	47,000
21-1012	Educational, Guidance, School & Vocational Counselors	MD	CTY	27.44	57,080	55,140	37,840	66,700	43,450	to	69,160
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	18.50	38,480	33,940	25,490	44,970	27,060	to	49,070
21-1015	Rehabilitation Counselors	MD	CTY	25.46	52,960	51,640	32,830	63,020	38,570	to	67,580
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	18.95	39,410	36,790	29,830	44,200	31,530	to	44,870
21-1022	Healthcare Social Workers	MD	CTY	22.83	47,500	44,890	35,460	53,510	37,790	to	54,630
21-1023	Mental Health & Substance Abuse Social Workers	BD	CTY	20.11	41,830	39,720	31,900	46,790	33,760	to	47,430
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	27.49	57,170	53,690	38,240	66,640	41,180	to	73,220
21-1092	Probation Officers & Correctional Treatment Specialists	BD	CTY	22.26	46,310	45,940	35,230	51,850	38,820	to	54,380

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21-1093	Social & Human Service Assistants	ST OJT	CTY	12.95	26,930	24,350	20,420	30,180	21,430	to	29,890
21-1094	Community Health Workers	TBD	MSA	20.81	43,290	39,640	28,860	50,500	30,960	to	52,780
21-1099	Community & Social Service Specialists, Other	BD	CTY	24.41	50,780	51,750	40,140	56,100	43,990	to	57,660
21-2011	Clergy	BD	CTY	18.09	37,630	38,640	22,520	45,180	25,600	to	46,310
21-2021	Directors, Religious Activities & Education	BD+	CTY	20.05	41,710	39,410	27,740	48,700	29,330	to	47,440
21-2099	Religious Workers, Other	BD	CTY	12.08	25,120	19,390	17,100	29,130	17,500	to	30,500
23-0000	**Legal Occupations**	**#**	**CTY**	**40.92**	**85,120**	**74,120**	**38,650**	**108,360**	**45,420**	**to**	**99,570**
23-1011	Lawyers	PhD	CTY	52.02	108,200	90,780	62,100	131,240	72,360	to	120,760
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	28.62	59,520	54,580	44,900	66,830	47,690	to	76,540
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	19.44	40,430	41,160	34,390	43,450	36,770	to	44,710
23-2099	Legal Support Workers, Other	ST OJT	CTY	20.16	41,930	39,510	29,730	48,030	32,740	to	46,350

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25-0000	**Education, Training & Library Occupations**	**#**	**CTY**	**26.86**	**55,860**	**52,970**	**27,350**	**70,110**	**32,340**	**to**	**73,280**
25-1011	Business Teachers, Postsecondary	PhD	CTY	*	83,020	70,760	46,560	101,250	51,710	to	105,180
25-1021	Computer Science Teachers, Postsecondary	PhD	CTY	*	73,250	61,330	49,230	85,270	52,420	to	85,190
25-1022	Mathematical Science Teachers, Postsecondary	PhD	CTY	*	68,810	64,360	45,060	80,680	47,940	to	83,960
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	CTY	*	84,930	74,260	51,860	101,470	58,280	to	96,600
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	CTY	*	88,540	80,980	50,680	107,480	56,470	to	110,210
25-1052	Chemistry Teachers, Postsecondary	PhD	CTY	*	76,260	73,130	49,040	89,870	56,940	to	95,120
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	CTY	*	90,680	81,470	51,670	110,180	58,850	to	98,480
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	CTY	*	90,930	84,790	52,670	110,060	62,830	to	111,420

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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	CTY	*	76,910	72,290	47,830	91,450	56,400	to	92,910
25-1066	Psychology Teachers, Postsecondary	PhD	CTY	*	69,670	69,120	42,980	83,010	53,010	to	88,360
25-1067	Sociology Teachers, Postsecondary	PhD	CTY	*	81,300	76,930	55,410	94,240	61,420	to	95,670
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	CTY	*	63,150	60,980	46,640	71,410	50,810	to	71,720
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	CTY	*	63,620	58,930	43,650	73,600	47,230	to	76,060
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	CTY	*	64,560	60,440	40,650	76,510	44,870	to	75,740
25-1124	Foreign Language & Literature Teachers, Postsecondary	PhD	CTY	*	72,120	64,850	42,490	86,940	49,290	to	86,480

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25-1125	History Teachers, Postsecondary	PhD	CTY	*	84,400	76,730	51,860	100,670	58,440	to	92,770
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	CTY	*	37,930	38,390	27,610	43,100	32,670	to	44,600
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	CTY	*	56,080	53,660	38,370	64,940	42,470	to	64,480
25-1194	Vocational Education Teachers, Postsecondary	WK EXP	CTY	22.14	46,060	44,880	27,440	55,370	30,840	to	58,800
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	11.86	24,670	22,240	17,240	28,390	18,770	to	27,660
25-2012	Kindergarten Teachers	BD	CTY	*	58,680	51,910	39,040	68,500	41,910	to	72,010
25-2021	Elementary School Teachers	BD	CTY	*	66,670	63,000	42,920	78,550	49,900	to	85,220
25-2022	Middle School Teachers	BD	CTY	*	63,540	60,450	45,940	72,340	50,210	to	77,160
25-2023	Career/Technical Education Teachers, Middle School	BD+	CTY	*	59,120	56,900	49,950	63,710	51,510	to	65,700
25-2031	Secondary School Teachers	BD	CTY	*	65,240	61,780	46,360	74,680	49,870	to	76,320
25-2032	Career/Technical Education Teachers, Secondary School	BD+	CTY	*	64,670	64,750	45,700	74,160	51,520	to	80,670
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	*	62,920	57,670	47,860	70,450	50,440	to	72,780

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25-2053	Special Education Teachers, Middle School	BD	CTY	*	81,110	81,680	61,150	91,080	68,310	to	93,550
25-2054	Special Education Teachers, Secondary School	BD	CTY	*	67,460	66,010	47,670	77,360	51,620	to	82,990
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	25.25	52,530	51,440	39,190	59,200	43,810	to	59,050
25-3021	Self-Enrichment Education Teachers	WK EXP	CTY	26.47	55,050	55,810	40,380	62,380	47,200	to	63,410
25-3098	Substitute Teachers	#	CTY	13.03	27,100	27,000	22,410	29,440	24,340	to	29,550
25-3099	Teachers & Instructors, Other	BD	CTY	*	53,860	54,140	30,910	65,340	39,030	to	67,670
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	29.34	61,030	58,540	35,780	73,650	43,360	to	81,240
25-4031	Library Technicians	PS	CTY	13.58	28,240	27,410	19,230	32,740	21,920	to	32,560
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	33.60	69,900	60,760	47,860	80,910	52,720	to	83,800
25-9041	Teacher Assistants	ST OJT	CTY	*	24,690	23,590	17,970	28,050	19,550	to	29,220

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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**	**25.74**	**53,540**	**46,130**	**26,140**	**67,240**	**32,370**	**to**	**66,490**
27-1011	Art Directors	BD+	MSA	44.22	91,970	82,860	52,980	111,470	61,100	to	109,610
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	MSA	33.04	68,720	60,100	40,460	82,850	45,140	to	89,890
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	33.79	70,280	68,870	59,210	75,820	63,220	to	74,530
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	CTY	10.03	20,860	18,470	16,970	22,800	16,990	to	25,590
27-1024	Graphic Designers	BD	CTY	23.45	48,780	45,590	35,560	55,380	38,800	to	56,740
27-1025	Interior Designers	BD	CTY	24.82	51,620	40,270	34,470	60,190	35,090	to	62,510
27-1026	Merchandise Displayers & Window Trimmers	MT OJT	CTY	16.53	34,390	32,530	25,540	38,820	27,760	to	38,210
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	33.58	69,850	65,200	38,120	85,710	43,120	to	93,210
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	*	36,750	30,310	17,910	46,160	19,480	to	48,760
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+	CTY	21.75	45,240	42,080	20,080	57,810	22,070	to	53,970
27-2042	Musicians & Singers	LT OJT	CTY	17.85	#	#	#	#	#	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	35.23	73,270	57,680	32,090	93,860	41,300	to	83,290
27-3041	Editors	BD+	CTY	27.52	57,240	53,530	22,900	74,420	32,040	to	75,960
27-3042	Technical Writers	BD+	MSA	35.50	73,830	73,660	54,190	83,650	62,630	to	88,150
27-3043	Writers & Authors	BD	MSA	32.74	68,100	60,440	41,280	81,510	46,890	to	85,840

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27-3091	Interpreters & Translators	BD	MSA	21.37	44,450	43,870	26,440	53,460	32,050	to	56,190
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	19.75	41,080	38,180	31,950	45,640	33,720	to	46,790
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	18.42	38,310	36,960	27,510	43,710	29,470	to	44,140
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**	**36.71**	**76,350**	**67,260**	**40,740**	**94,160**	**49,200**	**to**	**90,390**
29-1011	Chiropractors	PhD	CTY	30.67	63,800	61,040	54,500	68,440	54,920	to	72,320
29-1021	Dentists, General	PhD	CTY	104.85	218,090	#	144,820	254,720	160,940	to	#
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	22.88	47,590	50,720	27,360	57,700	34,110	to	58,640
29-1041	Optometrists	PhD	MSA	53.50	111,280	105,940	76,520	128,660	94,360	to	117,080

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29-1051	Pharmacists	PhD	CTY	53.18	110,620	111,410	105,370	113,240	103,830	to	119,010
29-1061	Anesthesiologists	PhD	PA	119.79	249,160	#	220,740	#	#	to	#
29-1062	Family & General Practitioners	PhD	MSA	84.52	175,800	164,890	93,600	216,910	120,800	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	84.24	175,210	166,610	111,360	207,140	136,690	to	#
29-1067	Surgeons	PhD	CTY	126.83	263,810	#	#	#	#	to	#
29-1069	Physicians & Surgeons, Other	PhD	CTY	96.17	200,040	183,540	139,100	230,500	156,100	to	#
29-1071	Physician Assistants	MD	CTY	32.86	68,360	64,170	49,150	77,960	52,130	to	85,510
29-1081	Podiatrists	PhD	MSA	61.22	127,340	110,500	76,580	152,720	86,680	to	145,040
29-1122	Occupational Therapists	MD	CTY	33.62	69,920	68,070	52,140	78,810	57,180	to	81,550
29-1123	Physical Therapists	PhD	CTY	36.52	75,960	77,040	57,500	85,190	64,960	to	87,520
29-1124	Radiation Therapists	AD	CTY	37.64	78,290	76,660	54,500	90,180	56,460	to	99,480
29-1125	Recreational Therapists	BD	MSA	21.15	43,980	42,280	30,390	50,780	32,850	to	54,250
29-1126	Respiratory Therapists	AD	CTY	30.74	63,940	64,510	52,100	69,860	55,940	to	72,230
29-1127	Speech-Language Pathologists	MD	CTY	37.27	77,530	73,320	53,510	89,530	61,880	to	92,590

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29-1128	Exercise Physiologists	MD	MSA	24.47	50,900	53,050	31,850	60,430	34,530	to	67,850
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	111.67	232,270	#	#	#	#	to	#
29-1141	Registered Nurses	TBD	CTY	36.18	75,260	76,180	53,990	85,890	61,550	to	89,310
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	CTY	40.51	84,260	85,670	64,020	94,380	76,760	to	94,650
29-1181	Audiologists	PhD	CTY	33.21	69,080	70,120	52,780	77,230	61,820	to	77,740
29-1199	Health Diagnosing & Treating Practitioners, Other	MD	CTY	31.98	66,520	64,760	44,530	77,510	47,530	to	79,930
29-2011	Medical & Clinical Laboratory Technologists	BD	CTY	30.95	64,380	63,690	46,140	73,500	51,280	to	74,660
29-2012	Medical & Clinical Laboratory Technicians	AD	CTY	20.55	42,750	37,740	30,830	48,710	32,490	to	51,920
29-2021	Dental Hygienists	AD	CTY	39.67	82,510	84,360	79,140	84,200	79,020	to	89,700
29-2031	Cardiovascular Technologists & Technicians	AD	CTY	28.89	60,100	61,060	41,040	69,630	45,710	to	74,150
29-2032	Diagnostic Medical Sonographers	AD	CTY	32.46	67,510	68,370	49,720	76,400	55,430	to	80,740
29-2033	Nuclear Medicine Technologists	AD	CTY	34.46	71,670	75,240	47,660	83,670	63,380	to	88,410
29-2034	Radiologic Technologists	AD	CTY	28.22	58,690	61,560	41,910	67,080	48,900	to	70,520

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29-2035	Magnetic Resonance Imaging Technologists	TBD	CTY	32.68	67,970	67,990	56,140	73,890	60,750	to	75,150
29-2041	Emergency Medical Technicians & Paramedics	PS	CTY	19.27	40,080	37,130	27,620	46,320	29,270	to	50,490
29-2051	Dietetic Technicians	MT OJT	CTY	17.17	35,710	35,610	30,490	38,320	31,820	to	39,820
29-2052	Pharmacy Technicians	MT OJT	CTY	14.42	30,000	31,650	18,490	35,760	20,180	to	37,240
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	MSA	24.26	50,450	50,890	38,710	56,320	42,710	to	58,470
29-2055	Surgical Technologists	PS	CTY	20.05	41,700	41,630	31,850	46,620	35,110	to	46,440
29-2056	Veterinary Technologists & Technicians	AD	MSA	20.32	42,270	40,220	30,350	48,240	33,060	to	48,230
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	24.45	50,860	51,610	40,640	55,970	44,020	to	57,490
29-2071	Medical Records & Health Information Technicians	PS	CTY	17.65	36,720	34,330	25,700	42,220	28,250	to	41,350
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	CTY	25.51	53,060	53,460	36,180	61,500	38,880	to	63,600
29-9011	Occupational Health & Safety Specialists	BD	CTY	39.19	81,520	80,750	60,110	92,220	64,740	to	95,350

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29-9012	Occupational Health & Safety Technicians	MT OJT	CTY	17.06	35,490	30,950	27,620	39,430	27,790	to	41,370
29-9091	Athletic Trainers	BD	CTY	*	46,830	48,950	36,540	51,980	38,650	to	55,130
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	CTY	25.22	52,450	37,240	34,270	61,540	33,890	to	68,730
31-0000	**Healthcare Support Occupations**	**#**	**CTY**	**13.31**	**27,690**	**26,900**	**20,200**	**31,440**	**22,460**	**to**	**31,280**
31-1011	Home Health Aides	ST OJT	CTY	11.29	23,490	23,560	17,910	26,280	19,450	to	27,480
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	12.88	26,780	26,500	21,110	29,620	22,880	to	29,680
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	17.97	37,380	35,980	31,790	40,180	32,510	to	41,230
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	17.73	36,880	35,720	22,100	44,270	23,270	to	49,510
31-2022	Physical Therapist Aides	MT OJT	CTY	15.61	32,470	29,810	27,330	35,040	27,060	to	35,960
31-9011	Massage Therapists	PS	CTY	16.26	33,820	34,520	24,750	38,350	27,660	to	40,290
31-9091	Dental Assistants	PS	CTY	20.28	42,190	42,390	35,010	45,780	36,930	to	46,950
31-9092	Medical Assistants	MT OJT	CTY	15.55	32,350	31,680	26,240	35,400	27,460	to	36,420

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31-9093	Medical Equipment Preparers	MT OJT	CTY	16.78	34,900	34,740	30,270	37,220	31,720	to	37,750
31-9094	Medical Transcriptionists	PS	CTY	19.19	39,910	40,930	32,640	43,550	35,940	to	44,790
31-9095	Pharmacy Aides	ST OJT	CTY	11.72	24,380	24,250	17,340	27,910	18,880	to	29,460
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	MSA	12.66	26,340	24,580	19,810	29,610	21,220	to	31,160
31-9097	Phlebotomists	TBD	CTY	14.06	29,240	28,500	24,340	31,680	25,200	to	32,880
31-9099	Healthcare Support Workers, Other	ST OJT	CTY	15.54	32,320	33,420	24,600	36,180	27,560	to	36,890
33-0000	**Protective Service Occupations**	**#**	**CTY**	**20.38**	**42,400**	**36,950**	**21,860**	**52,670**	**24,880**	**to**	**57,640**
33-1011	Supervisors - Correctional Officers	WK EXP	CTY	32.62	67,850	65,640	53,570	74,990	56,520	to	79,870
33-1012	Supervisors - Police & Detectives	WK EXP	CTY	47.23	98,240	92,500	84,240	105,240	84,130	to	109,860
33-1021	Supervisors - Fire Fighting & Prevention	PS+	MSA	35.39	73,620	73,230	58,550	81,160	65,380	to	86,030
33-1099	Supervisors - Protective Service Workers, Other	WK EXP	CTY	23.19	48,240	50,570	31,050	56,830	34,630	to	56,300
33-2011	Firefighters	PS	MSA	20.62	42,880	42,020	30,460	49,090	30,840	to	46,360
33-2021	Fire Inspectors & Investigators	WK EXP	CTY	20.44	42,520	41,120	27,610	49,980	28,450	to	47,810
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	CTY	22.52	46,850	46,530	36,770	51,890	39,350	to	54,420
33-3021	Detectives & Criminal Investigators	WK EXP	CTY	40.92	85,100	80,030	64,390	95,460	70,920	to	91,260

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33-3041	Parking Enforcement Workers	ST OJT	MSA	14.39	29,940	28,920	20,160	34,830	22,300	to	36,960
33-3051	Police & Sheriff's Patrol Officers	MT OJT	CTY	26.50	55,120	57,150	35,240	65,060	41,720	to	70,150
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	CTY	13.18	27,410	23,700	16,660	32,790	18,330	to	34,440
33-9021	Private Detectives & Investigators	PS+	CTY	20.25	42,120	37,420	28,650	48,860	30,280	to	46,380
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	13.19	27,430	25,750	17,990	32,150	19,520	to	33,590
33-9091	Crossing Guards	ST OJT	CTY	11.92	24,800	23,480	20,530	26,930	21,090	to	28,600
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	MSA	8.98	18,670	18,270	16,650	19,680	16,760	to	20,400
33-9093	Transportation Security Screeners	MT OJT	CTY	18.35	38,160	37,120	34,020	40,230	35,860	to	39,820
33-9099	Protective Service Workers, Other	ST OJT	CTY	15.65	32,550	34,010	20,500	38,570	22,380	to	34,030
35-0000	**Food Preparation & Serving Related Occupations**	**#**	**CTY**	**10.98**	**22,850**	**20,840**	**16,720**	**25,910**	**17,850**	**to**	**25,340**
35-1011	Chefs & Head Cooks	WK EXP	CTY	22.18	46,140	42,990	30,810	53,810	34,180	to	55,660
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	CTY	19.34	40,230	37,180	29,720	45,480	31,790	to	49,460
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	12.84	26,700	26,280	19,090	30,510	21,190	to	31,420

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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	14.22	29,580	28,860	22,620	33,060	23,800	to	34,740
35-2015	Cooks, Short Order	ST OJT	CTY	12.42	25,840	25,160	21,520	27,990	22,140	to	28,590
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	11.74	24,410	23,020	18,000	27,620	19,560	to	28,840
35-3011	Bartenders	ST OJT	CTY	10.64	22,120	21,740	16,690	24,840	18,240	to	26,060
35-3021	Combined Food Preparation & Serving Workers	ST OJT	CTY	9.34	19,430	18,840	16,700	20,800	17,070	to	22,030
35-3022	Counter Attendants, Cafeteria, Food Concession & Coffee Shop	ST OJT	CTY	9.31	19,370	19,760	16,660	20,720	17,370	to	22,180
35-3031	Waiters & Waitresses	ST OJT	CTY	11.12	23,120	21,330	16,840	26,260	18,430	to	24,290
35-3041	Food Servers, Nonrestaurant	ST OJT	CTY	9.40	19,540	18,920	16,810	20,910	17,160	to	21,760
35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	CTY	9.08	18,890	18,120	16,750	19,960	16,730	to	19,580
35-9021	Dishwashers	ST OJT	CTY	9.04	18,810	18,520	16,650	19,890	16,890	to	21,190
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	CTY	10.99	22,850	21,690	16,960	25,800	17,950	to	27,800
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**	**14.29**	**29,720**	**27,540**	**19,630**	**34,760**	**21,570**	**to**	**35,770**
37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	CTY	20.34	42,310	40,500	30,560	48,190	33,430	to	48,190

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37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	CTY	34.39	71,530	73,550	54,800	79,900	59,190	to	85,470
37-2011	Janitors & Cleaners	ST OJT	CTY	13.89	28,890	27,840	20,240	33,210	22,570	to	34,590
37-2012	Maids & Housekeeping Cleaners	ST OJT	CTY	11.13	23,140	22,610	19,410	25,010	20,420	to	25,460
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	14.32	29,780	30,100	18,670	35,330	20,440	to	37,150
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	MSA	20.84	43,350	44,000	34,340	47,860	38,850	to	49,450
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**	**11.93**	**24,820**	**22,090**	**17,300**	**28,580**	**18,900**	**to**	**27,540**
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	22.56	46,920	45,740	36,630	52,070	40,060	to	53,980
39-2011	Animal Trainers	MT OJT	CTY	10.68	22,210	21,170	16,840	24,900	18,520	to	23,620
39-2021	Nonfarm Animal Caretakers	ST OJT	CTY	8.49	17,650	17,790	16,720	18,120	16,560	to	19,030
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

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39-3021	Motion Picture Projectionists	ST OJT	MSA	10.92	22,720	19,880	16,830	25,660	17,600	to	24,920
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	9.52	19,810	19,510	16,770	21,330	17,430	to	22,070
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	CTY	13.85	28,810	26,480	20,640	32,890	22,020	to	35,770
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	CTY	25.65	53,340	50,950	34,890	62,570	36,690	to	63,790
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	13.62	28,330	26,200	19,560	32,720	21,650	to	29,850
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	MSA	8.82	18,350	18,020	16,850	19,100	16,720	to	19,320
39-5093	Shampooers	ST OJT	CTY	8.98	18,690	18,700	16,770	19,640	17,040	to	21,300
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	CTY	19.42	40,400	37,530	24,310	48,440	26,210	to	47,180
39-7011	Tour Guides & Escorts	MT OJT	MSA	11.04	22,960	21,920	17,620	25,640	19,140	to	25,910

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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	10.42	21,680	21,440	17,000	24,020	18,620	to	24,060
39-9021	Personal Care Aides	ST OJT	CTY	11.53	23,980	22,380	20,960	25,500	20,760	to	24,020
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	CTY	13.38	27,840	19,480	16,860	33,320	17,460	to	36,430
39-9032	Recreation Workers	BD	CTY	11.20	23,290	20,190	16,710	26,590	17,530	to	27,530
39-9041	Residential Advisors	PS	CTY	14.37	29,880	30,040	22,490	33,580	25,140	to	34,660
39-9099	Personal Care & Service Workers, Other	ST OJT	CTY	9.81	20,400	18,890	16,830	22,190	17,130	to	22,340
41-0000	**Sales & Related Occupations**	**#**	**CTY**	**19.77**	**41,110**	**28,780**	**18,550**	**52,390**	**20,420**	**to**	**47,060**
41-1011	Supervisors - Retail Sales Workers	WK EXP	CTY	23.17	48,200	44,480	30,820	56,890	35,730	to	57,540
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	CTY	53.01	110,260	103,370	60,880	134,950	72,740	to	132,420
41-2011	Cashiers	ST OJT	CTY	11.02	22,920	20,940	16,960	25,890	17,900	to	27,040
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	13.71	28,530	26,260	18,600	33,490	20,190	to	36,050
41-2022	Parts Salespersons	MT OJT	CTY	20.88	43,430	44,590	30,830	49,730	37,300	to	49,700
41-2031	Retail Salespersons	ST OJT	CTY	12.91	26,860	23,740	17,160	31,700	18,800	to	30,160
41-3011	Advertising Sales Agents	MT OJT	CTY	20.41	42,460	40,800	25,480	50,950	28,570	to	53,040

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41-3021	Insurance Sales Agents	MT OJT	CTY	36.50	75,920	60,930	40,630	93,560	46,020	to	78,900
41-3031	Securities, Commodities & Financial Services Sales Agents	BD	CTY	40.79	84,850	62,880	31,860	111,340	37,080	to	106,760
41-3041	Travel Agents	MT OJT	CTY	21.64	45,020	52,380	24,950	55,060	24,660	to	57,470
41-3099	Sales Representatives, Other Services	ST OJT	CTY	37.09	77,140	70,860	46,660	92,370	57,520	to	92,850
41-4011	Sales Representatives, Technical & Scientific Products	BD	CTY	55.02	114,450	98,030	67,960	137,700	76,640	to	139,800
41-4012	Sales Representatives	MT OJT	CTY	30.68	63,820	53,100	32,450	79,500	37,840	to	80,000
41-9011	Demonstrators & Product Promoters	ST OJT	CTY	19.29	40,130	38,590	32,290	44,050	34,360	to	45,840
41-9021	Real Estate Brokers	WK EXP	CTY	77.74	161,690	147,500	129,100	177,980	132,840	to	178,430
41-9022	Real Estate Sales Agents	LT OJT	CTY	29.56	61,480	57,700	44,830	69,800	48,270	to	72,420
41-9031	Sales Engineers	BD	CTY	42.84	89,110	88,600	66,530	100,400	75,500	to	106,210
41-9041	Telemarketers	ST OJT	CTY	13.57	28,230	23,780	20,160	32,260	21,180	to	30,690
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	15.70	32,650	34,320	24,230	36,850	30,900	to	37,740
43-0000	**Office & Administrative Support Occupations**	**#**	**CTY**	**17.72**	**36,850**	**34,810**	**23,000**	**43,780**	**26,250**	**to**	**45,270**
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	CTY	25.99	54,050	51,380	35,300	63,430	39,460	to	66,830
43-2011	Switchboard Operators	ST OJT	CTY	13.64	28,360	27,620	21,720	31,690	23,210	to	33,150

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43-2021	Telephone Operators	ST OJT	MSA	19.33	40,200	38,700	29,090	45,760	32,140	to	49,620
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	19.08	39,700	36,800	27,910	45,590	30,050	to	45,900
43-3021	Billing & Posting Clerks	ST OJT	CTY	17.34	36,070	35,230	26,760	40,730	29,260	to	42,340
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	CTY	20.07	41,740	40,510	29,290	47,970	32,730	to	49,400
43-3041	Gaming Cage Workers	ST OJT	MSA	13.48	28,040	26,590	20,920	31,600	22,430	to	32,610
43-3051	Payroll & Timekeeping Clerks	MT OJT	CTY	21.49	44,710	43,210	33,600	50,260	36,400	to	51,960
43-3061	Procurement Clerks	MT OJT	CTY	19.57	40,700	38,960	30,270	45,920	32,020	to	49,630
43-3071	Tellers	ST OJT	CTY	12.06	25,090	24,170	21,390	26,940	21,740	to	28,200
43-3099	Financial Clerks, Other	TBD	MSA	19.43	40,410	39,930	26,900	47,170	30,390	to	47,380
43-4011	Brokerage Clerks	MT OJT	CTY	21.37	44,440	44,180	36,610	48,360	39,370	to	49,140
43-4021	Correspondence Clerks	ST OJT	CTY	17.26	35,900	35,070	31,540	38,090	32,180	to	37,960
43-4031	Court, Municipal & License Clerks	MT OJT	CTY	18.13	37,710	35,080	21,300	45,920	22,910	to	46,440
43-4041	Credit Authorizers, Checkers & Clerks	ST OJT	CTY	19.79	41,160	41,630	33,730	44,870	36,320	to	46,090
43-4051	Customer Service Representatives	ST OJT	CTY	17.38	36,150	34,330	23,790	42,320	26,760	to	43,380
43-4061	Eligibility Interviewers, Government Programs	AD	CTY	22.24	46,260	44,200	39,130	49,820	41,390	to	49,780

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43-4071	File Clerks	ST OJT	CTY	12.49	25,980	23,470	21,100	28,420	21,370	to	29,240
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	CTY	11.95	24,860	23,880	22,250	26,170	21,920	to	27,420
43-4111	Interviewers	ST OJT	CTY	19.03	39,580	36,500	29,680	44,520	31,460	to	45,940
43-4121	Library Assistants, Clerical	ST OJT	CTY	12.43	25,860	24,070	20,250	28,670	21,220	to	29,870
43-4131	Loan Interviewers & Clerks	ST OJT	CTY	18.59	38,670	37,500	30,100	42,950	31,710	to	45,300
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	14.87	30,920	28,680	20,460	36,160	23,090	to	37,580
43-4161	Human Resources Assistants	ST OJT	CTY	19.12	39,770	39,060	28,050	45,630	30,700	to	46,780
43-4171	Receptionists & Information Clerks	ST OJT	CTY	13.59	28,270	27,360	20,220	32,300	22,270	to	33,470
43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	ST OJT	MSA	15.38	31,980	30,520	21,670	37,140	23,670	to	40,950
43-4199	Information & Record Clerks, Other	ST OJT	CTY	19.05	39,630	40,950	29,100	44,900	30,860	to	45,930
43-5011	Cargo & Freight Agents	ST OJT	CTY	18.01	37,460	39,460	21,460	45,460	23,850	to	48,780
43-5021	Couriers & Messengers	ST OJT	CTY	13.36	27,790	26,710	22,280	30,550	23,430	to	29,680
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	CTY	20.96	43,590	43,040	38,680	46,050	39,730	to	46,960
43-5032	Dispatchers	MT OJT	CTY	20.78	43,220	40,700	29,700	49,980	32,820	to	53,580
43-5041	Meter Readers, Utilities	ST OJT	MSA	21.10	43,900	43,300	29,090	51,300	33,580	to	54,270

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43-5051	Postal Service Clerks	ST OJT	CTY	24.79	51,570	53,100	47,440	53,630	53,090	to	53,120
43-5052	Postal Service Mail Carriers	ST OJT	CTY	26.46	55,040	56,500	51,740	56,680	56,140	to	56,510
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	ST OJT	CTY	24.03	49,980	53,090	43,090	53,420	53,090	to	53,100
43-5061	Production, Planning & Expediting Clerks	MT OJT	CTY	21.89	45,530	43,320	31,510	52,540	34,790	to	54,720
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	CTY	16.59	34,500	34,310	22,300	40,600	26,470	to	42,550
43-5081	Stock Clerks & Order Fillers	ST OJT	CTY	11.24	23,380	21,470	16,860	26,630	18,060	to	27,300
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	CTY	17.95	37,330	38,700	26,100	42,950	31,580	to	44,800
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	CTY	26.24	54,570	53,720	41,010	61,350	45,370	to	62,490
43-6012	Legal Secretaries	MT OJT	CTY	19.45	40,450	40,550	32,250	44,550	34,410	to	45,830
43-6013	Medical Secretaries	MT OJT	CTY	17.11	35,590	34,600	27,210	39,780	28,910	to	41,410
43-6014	Secretaries	ST OJT	CTY	17.41	36,210	35,840	26,000	41,310	29,430	to	43,250
43-9011	Computer Operators	MT OJT	CTY	17.80	37,020	37,920	25,240	42,900	31,310	to	44,530
43-9021	Data Entry Keyers	MT OJT	CTY	15.89	33,060	31,860	24,710	37,240	26,330	to	39,250
43-9022	Word Processors & Typists	ST OJT	CTY	16.84	35,020	33,410	27,710	38,680	29,920	to	39,670
43-9031	Desktop Publishers	AD	CTY	27.50	57,200	63,760	38,310	66,650	45,870	to	70,040
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	CTY	21.14	43,970	42,680	30,540	50,680	34,160	to	53,360

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43-9051	Mail Clerks & Mail Machine Operators	ST OJT	CTY	14.55	30,270	28,590	22,070	34,370	23,530	to	36,000
43-9061	Office Clerks, General	ST OJT	CTY	14.88	30,940	29,400	19,050	36,890	21,620	to	37,970
43-9071	Office Machine Operators	ST OJT	CTY	19.24	40,020	37,920	30,710	44,670	32,850	to	46,050
43-9081	Proofreaders & Copy Markers	BD	MSA	17.49	36,370	35,110	26,020	41,550	28,110	to	44,510
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	15.92	33,100	25,150	21,300	39,010	21,650	to	44,430
45-0000	**Farming, Fishing & Forestry Occupations**	**#**	**CTY**	**14.12**	**29,380**	**27,220**	**22,780**	**32,680**	**25,150**	**to**	**29,300**
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

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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	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**	**24.99**	**51,980**	**48,260**	**31,530**	**62,200**	**35,920**	**to**	**63,480**
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	CTY	36.84	76,620	75,490	59,500	85,180	63,810	to	89,810
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	22.00	45,760	42,580	31,510	52,880	34,190	to	60,200
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	23.97	49,860	48,490	35,610	56,980	38,700	to	57,710
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	MSA	25.44	52,910	50,810	29,490	64,610	33,380	to	72,830
47-2051	Cement Masons & Concrete Finishers	MT OJT	CTY	24.13	50,200	52,720	44,180	53,210	49,110	to	56,330
47-2053	Terrazzo Workers & Finishers	LT OJT	MSA	25.91	53,890	54,630	38,750	61,450	43,200	to	64,860

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47-2061	Construction Laborers	ST OJT	CTY	17.96	37,360	35,330	25,010	43,530	28,190	to	45,510
47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	CTY	19.46	40,480	38,930	27,300	47,060	32,390	to	44,830
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	30.76	63,980	65,980	50,130	70,910	57,500	to	72,510
47-2081	Drywall & Ceiling Tile Installers	MT OJT	MSA	19.09	39,710	33,060	23,850	47,640	25,290	to	49,570
47-2082	Tapers	MT OJT	MSA	27.19	56,560	55,410	37,790	65,950	42,880	to	70,790
47-2111	Electricians	LT OJT	CTY	32.70	68,020	56,560	42,160	80,960	45,860	to	99,130
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	28.54	59,370	47,580	42,210	67,950	42,820	to	82,640
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	CTY	23.89	49,680	47,220	41,600	53,720	42,460	to	56,800
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	CTY	24.61	51,180	51,880	38,500	57,520	44,580	to	57,840
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

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47-2181	Roofers	MT OJT	CTY	20.66	42,980	42,050	32,380	48,280	35,190	to	48,960
47-2211	Sheet Metal Workers	LT OJT	CTY	37.92	78,880	83,280	70,150	83,240	77,850	to	88,700
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	CTY	14.56	30,290	29,970	26,940	31,970	26,960	to	33,950
47-3013	Helpers--Electricians	ST OJT	CTY	14.74	30,660	29,800	26,060	32,960	26,770	to	34,880
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	14.01	29,140	28,710	26,560	30,440	26,250	to	31,990
47-3016	Helpers--Roofers	ST OJT	CTY	12.56	26,120	24,870	20,350	29,000	21,360	to	31,570
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	20.29	42,210	35,630	22,740	51,950	23,730	to	63,490
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	20.49	42,610	43,800	31,340	48,250	37,260	to	51,160

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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	CTY	17.03	35,420	34,620	27,800	39,230	29,260	to	40,900
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

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49-0000	**Installation, Maintenance & Repair Occupations**	**#**	**CTY**	**21.28**	**44,260**	**41,120**	**26,870**	**52,950**	**30,970**	**to**	**55,850**
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	CTY	30.60	63,640	64,480	42,880	74,030	45,760	to	76,520
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	CTY	18.90	39,320	38,470	26,260	45,840	28,870	to	50,380
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	34.41	71,580	69,590	61,320	76,710	63,430	to	76,140
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	MSA	20.07	41,750	40,650	30,480	47,380	32,430	to	49,800
49-2093	Electrical & Electronics Installers & Repairers, Transportation Equipment	PS	MSA	19.23	40,000	42,150	28,020	46,000	31,910	to	46,180
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	PS	CTY	22.89	47,610	45,330	31,100	55,860	34,840	to	57,170
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	CTY	21.87	45,490	44,070	33,520	51,470	36,630	to	54,090
49-3011	Aircraft Mechanics & Service Technicians	PS	MSA	25.32	52,660	52,760	38,260	59,860	43,470	to	59,390
49-3021	Automotive Body & Related Repairers	MT OJT	CTY	31.15	64,800	65,070	46,480	73,960	50,730	to	80,460
49-3022	Automotive Glass Installers & Repairers	MT OJT	MSA	14.45	30,060	28,700	22,260	33,960	23,550	to	35,960

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49-3023	Automotive Service Technicians & Mechanics	LT OJT	CTY	18.50	38,470	35,790	23,540	45,940	27,400	to	48,740
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	CTY	22.83	47,500	48,080	37,250	52,620	40,380	to	55,250
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	28.83	59,960	56,120	44,400	67,750	49,930	to	73,050
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	MSA	18.16	37,770	37,650	28,120	42,600	30,990	to	44,250
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	MT OJT	MSA	20.28	42,170	40,320	25,760	50,380	29,020	to	51,350
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	MSA	19.52	40,610	40,730	30,870	45,480	34,710	to	45,590
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	23.48	48,850	47,620	35,840	55,350	39,040	to	57,500
49-9031	Home Appliance Repairers	MT OJT	MSA	15.88	33,030	34,310	18,930	40,080	20,600	to	41,010
49-9041	Industrial Machinery Mechanics	LT OJT	CTY	23.66	49,220	49,560	39,510	54,070	42,160	to	56,420

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49-9043	Maintenance Workers, Machinery	MT OJT	CTY	13.07	27,180	23,320	19,780	30,870	20,870	to	30,030
49-9044	Millwrights	LT OJT	MSA	28.55	59,390	60,760	49,650	64,260	52,620	to	68,230
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	MSA	27.71	57,650	62,850	36,080	68,430	40,060	to	72,560
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	22.14	46,050	41,120	29,280	54,430	31,300	to	62,650
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	18.52	38,520	36,850	28,120	43,720	30,630	to	45,510
49-9091	Coin, Vending & Amusement Machine Servicers & Repairers	ST OJT	MSA	14.30	29,750	29,300	20,430	34,400	22,650	to	35,630
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

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49-9098	Helpers--Installation, Maintenance & Repair Workers	MT OJT	CTY	16.86	35,060	32,840	20,920	42,130	22,740	to	47,750
49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	CTY	12.80	26,620	22,730	16,600	31,630	18,270	to	33,850
51-0000	**Production Occupations**	**#**	**CTY**	**19.94**	**41,480**	**38,760**	**23,600**	**50,420**	**27,710**	**to**	**51,990**
51-1011	Supervisors - Production & Operating Workers	PS	CTY	32.44	67,480	66,500	44,930	78,760	50,930	to	83,570
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	13.97	29,060	23,870	18,600	34,280	20,140	to	40,830
51-2023	Electromechanical Equipment Assemblers	ST OJT	CTY	20.55	42,750	40,380	34,000	47,130	35,070	to	47,130
51-2031	Engine & Other Machine Assemblers	ST OJT	MSA	15.83	32,920	31,350	23,010	37,870	24,190	to	40,320
51-2041	Structural Metal Fabricators & Fitters	MT OJT	CTY	19.52	40,590	39,290	31,930	44,920	33,880	to	47,500
51-2091	Fiberglass Laminators & Fabricators	MT OJT	MSA	13.50	28,080	27,870	23,990	30,120	24,910	to	30,960
51-2092	Team Assemblers	MT OJT	CTY	14.58	30,330	29,360	22,620	34,190	25,380	to	35,650
51-2099	Assemblers & Fabricators, Other	MT OJT	CTY	12.88	26,780	24,100	18,980	30,690	20,460	to	32,470
51-3011	Bakers	LT OJT	CTY	14.46	30,080	28,820	22,340	33,940	24,900	to	34,440
51-3021	Butchers & Meat Cutters	LT OJT	CTY	15.40	32,020	29,680	22,450	36,810	25,040	to	39,640
51-3022	Meat, Poultry & Fish Cutters & Trimmers	ST OJT	CTY	12.20	25,370	25,720	19,990	28,060	22,030	to	28,680

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51-3023	Slaughterers & Meat Packers	MT OJT	MSA	15.10	31,400	30,500	21,920	36,140	23,160	to	39,690
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	12.28	25,550	23,420	17,080	29,780	18,430	to	30,230
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	20.65	42,960	50,080	21,660	53,610	23,350	to	56,940
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal & Plastic	MT OJT	CTY	27.33	56,850	53,430	44,060	63,240	46,720	to	59,880
51-4021	Extruding & Drawing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	18.14	37,730	36,820	32,560	40,320	33,060	to	42,500
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	19.43	40,410	38,430	32,210	44,510	34,280	to	48,380
51-4031	Cutting, Punching & Press Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	14.05	29,230	28,440	20,560	33,570	23,290	to	34,420
51-4032	Drilling & Boring Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	16.61	34,550	34,340	22,500	40,570	27,250	to	41,080
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	14.73	30,630	29,060	24,750	33,570	25,970	to	35,460
51-4034	Lathe & Turning Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	19.26	40,070	41,460	28,670	45,770	32,250	to	47,090
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	21.96	45,670	44,140	32,850	52,070	35,180	to	55,110

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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
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	MSA	15.25	31,720	30,400	20,580	37,280	23,270	to	39,520
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	25.79	53,640	54,230	53,010	53,960	50,960	to	57,500
51-4111	Tool & Die Makers	LT OJT	MSA	24.72	51,410	48,570	39,100	57,560	42,110	to	62,740
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	CTY	20.37	42,360	42,170	32,200	47,440	34,590	to	50,860
51-4122	Welding, Soldering & Brazing Machine Setters, Operators & Tenders	MT OJT	CTY	22.36	46,500	46,010	39,490	50,000	40,840	to	53,500
51-4191	Heat Treating Equipment Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	18.90	39,310	37,710	31,000	43,470	32,580	to	45,650
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	15.59	32,440	32,860	24,330	36,490	26,440	to	37,730
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	MSA	20.18	41,970	39,390	32,940	46,480	34,550	to	46,820

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51-5112	Printing Press Operators	MT OJT	CTY	16.85	35,050	34,200	26,560	39,300	29,190	to	39,070
51-5113	Print Binding & Finishing Workers	ST OJT	MSA	16.42	34,150	34,800	21,940	40,250	24,940	to	43,160
51-6011	Laundry & Dry-Cleaning Workers	ST OJT	CTY	10.28	21,380	20,710	16,580	23,780	17,890	to	23,580
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	10.61	22,060	21,740	17,710	24,240	19,310	to	24,060
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	CTY	54.69	113,760	133,750	73,320	133,980	124,240	to	143,250
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	MSA	15.42	32,070	28,380	24,200	36,000	25,240	to	36,500
51-6063	Textile Knitting & Weaving Machine Setters, Operators & Tenders	MT OJT	MSA	13.73	28,550	26,980	20,190	32,730	22,290	to	33,110
51-6064	Textile Winding, Twisting & Drawing Out Machine Setters, Operators & Tenders	MT OJT	MSA	13.89	28,890	28,530	20,870	32,900	25,210	to	33,900
51-6091	Extruding & Forming Machine Setters, Operators & Tenders, Synthetic & Glass Fibers	MT OJT	MSA	17.55	36,500	40,220	24,940	42,280	27,850	to	43,770
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	MSA	17.98	37,400	39,540	22,460	44,870	23,700	to	49,660

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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
51-7011	Cabinetmakers & Bench Carpenters	MT OJT	MSA	17.63	36,680	33,970	25,230	42,400	27,690	to	43,410
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	MSA	19.12	39,770	37,410	31,320	44,000	32,750	to	48,140
51-7042	Woodworking Machine Setters, Operators & Tenders	ST OJT	MSA	18.16	37,770	38,190	22,080	45,620	23,410	to	49,830
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	MSA	31.03	64,550	65,400	51,350	71,150	56,090	to	73,700
51-8021	Stationary Engineers & Boiler Operators	LT OJT	CTY	25.01	52,030	52,940	39,240	58,420	42,460	to	61,690
51-8031	Water & Wastewater Treatment Plant & System Operators	LT OJT	CTY	22.11	45,990	44,820	42,660	47,660	41,560	to	48,800
51-8091	Chemical Plant & System Operators	LT OJT	CTY	34.44	71,630	76,720	54,170	80,360	66,380	to	85,060
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	CTY	25.91	53,900	48,920	41,900	59,910	43,040	to	63,210

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51-8099	Plant & System Operators, Other	LT OJT	CTY	23.76	49,420	49,490	41,990	53,140	43,640	to	55,970
51-9011	Chemical Equipment Operators & Tenders	MT OJT	CTY	22.87	47,560	44,440	34,510	54,090	37,340	to	57,510
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	MT OJT	CTY	23.32	48,510	50,810	39,360	53,090	43,930	to	55,400
51-9021	Crushing, Grinding & Polishing Machine Setters, Operators & Tenders	MT OJT	CTY	18.73	38,970	39,720	33,220	41,840	34,620	to	44,300
51-9022	Grinding & Polishing Workers, Hand	MT OJT	MSA	15.02	31,250	30,190	23,070	35,340	24,710	to	36,800
51-9023	Mixing & Blending Machine Setters, Operators & Tenders	MT OJT	CTY	23.65	49,190	47,640	39,500	54,040	41,760	to	56,820
51-9031	Cutters & Trimmers, Hand	ST OJT	MSA	14.18	29,490	27,590	21,920	33,270	23,200	to	34,600
51-9032	Cutting & Slicing Machine Setters, Operators & Tenders	ST OJT	CTY	19.04	39,610	38,050	32,260	43,290	33,380	to	45,670
51-9041	Extruding, Forming, Pressing & Compacting Machine Setters, Operators & Tenders	MT OJT	MSA	19.98	41,570	39,550	27,980	48,360	30,970	to	47,720
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	26.01	54,110	52,910	34,300	64,010	38,290	to	68,930
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	MSA	19.45	40,460	39,410	29,830	45,780	31,970	to	46,420
51-9082	Medical Appliance Technicians	LT OJT	MSA	18.62	38,720	36,630	25,850	45,160	29,070	to	47,250
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	18.76	39,020	40,420	26,830	45,120	28,700	to	48,350

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51-9121	Coating, Painting & Spraying Machine Setters, Operators & Tenders	MT OJT	CTY	18.98	39,480	36,920	30,580	43,930	32,130	to	48,470
51-9122	Painters, Transportation Equipment	MT OJT	CTY	25.50	53,040	54,320	37,630	60,740	43,290	to	64,450
51-9123	Painting, Coating & Decorating Workers	MT OJT	MSA	17.28	35,940	34,730	26,810	40,500	28,880	to	42,180
51-9141	Semiconductor Processors	AD	MSA	16.68	34,690	34,980	24,180	39,940	26,320	to	42,940
51-9151	Photographic Process Workers & Processing Machine Operators	ST OJT	CTY	8.90	18,520	18,130	17,020	19,270	16,840	to	19,430
51-9191	Adhesive Bonding Machine Operators & Tenders	MT OJT	CTY	20.48	42,600	34,490	25,730	51,040	28,170	to	65,120
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	MSA	14.51	30,180	27,720	22,640	33,950	23,830	to	33,510
51-9195	Molders, Shapers & Casters, Except Metal & Plastic	LT OJT	MSA	15.04	31,280	31,190	23,520	35,160	26,020	to	36,270
51-9196	Paper Goods Machine Setters, Operators & Tenders	MT OJT	CTY	20.71	43,070	42,990	35,840	46,690	38,790	to	47,140
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	12.54	26,080	24,230	20,140	29,060	21,260	to	29,280
51-9199	Production Workers, Other	MT OJT	CTY	16.01	33,300	26,710	21,570	39,160	23,020	to	34,930
53-0000	**Transportation & Material Moving Occupations**	**#**	**CTY**	**17.86**	**37,160**	**32,260**	**20,340**	**45,570**	**23,140**	**to**	**47,360**
53-1011	Aircraft Cargo Handling Supervisors	WK EXP	CTY	25.87	53,820	55,020	48,400	56,530	51,170	to	58,880

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53-1021	Supervisors - Helpers, Laborers & Material Movers	WK EXP	CTY	28.52	59,320	58,850	40,910	68,530	45,140	to	72,590
53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	CTY	33.89	70,490	71,330	44,940	83,260	53,330	to	86,400
53-2012	Commercial Pilots	LT OJT	CTY	*	86,400	81,420	52,950	103,120	60,750	to	108,390
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	MSA	15.45	32,140	30,090	26,630	34,890	26,980	to	37,230
53-3022	Bus Drivers, School or Special Client	MT OJT	CTY	16.44	34,200	29,960	21,640	40,470	24,840	to	48,990
53-3031	Driver/Sales Workers	ST OJT	CTY	12.01	24,970	20,980	17,100	28,910	18,010	to	30,730
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	CTY	22.22	46,220	45,940	32,810	52,930	36,110	to	55,320
53-3033	Light Truck or Delivery Services Drivers	ST OJT	CTY	18.13	37,700	34,440	23,740	44,690	26,990	to	50,640
53-3041	Taxi Drivers & Chauffeurs	ST OJT	CTY	11.39	23,690	23,710	17,320	26,880	18,950	to	28,340
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

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DELAWARE 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 ($)	Mid Range Annual Wage ($)		
53-4031	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	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	CTY	20.75	43,150	35,450	27,720	50,860	28,970	to	60,060
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	9.76	20,290	20,780	16,950	21,960	18,560	to	22,660
53-6031	Automotive & Watercraft Service Attendants	ST OJT	MSA	8.72	18,150	18,000	16,810	18,810	16,710	to	19,320
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	CTY	45.76	95,180	96,030	63,440	111,040	73,420	to	116,910
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	CTY	17.04	35,440	34,880	27,760	39,280	30,040	to	39,330
53-7021	Crane & Tower Operators	WK EXP	CTY	26.96	56,080	56,390	52,000	58,130	52,340	to	60,440
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

* - 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
DELAWARE 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	19.72	41,020	37,900	27,680	47,690	32,350	to	52,200
53-7061	Cleaners of Vehicles & Equipment	ST OJT	CTY	9.31	19,370	18,230	16,720	20,700	16,750	to	20,710
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	CTY	14.62	30,400	27,700	19,640	35,780	21,900	to	36,120
53-7063	Machine Feeders & Offbearers	ST OJT	CTY	15.84	32,940	31,680	20,260	39,280	22,340	to	42,050
53-7064	Packers & Packagers, Hand	ST OJT	CTY	10.64	22,120	19,660	16,920	24,730	17,570	to	26,080
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	17.92	37,270	37,570	22,800	44,510	25,220	to	48,730
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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