

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
00-0000	Total, All Occupations	N/A	733,690	754,170	2.8%	2,048	36,250	43,224	81,522
11-0000	Management Occupations	N/A	48,950	51,630	5.5%	268	1,362	2,346	3,976
11-1000	Top Executives	N/A	15,440	15,860	2.7%	42	397	817	1,256
11-1021	General & Operations Managers	BD+	14,120	14,640	3.7%	52	358	772	1,182
11-2000	Advertising, Marketing, Promotions, Public Relations & Sales Managers	N/A	3,440	3,580	4.1%	14	83	178	275
11-2011	Advertising & Promotions Managers	BD+	140	130	-7.1%	0	3	9	12
11-2021	Marketing Managers	BD+	1,580	1,670	5.7%	8	38	88	134
11-2022	Sales Managers	BD+	1,030	1,070	3.9%	5	26	50	81
11-2032	Public Relations Managers	BD+	270	280	3.7%	1	6	12	19
11-2033	Fundraising Managers	BD+	430	440	2.3%	0	10	19	29
11-3000	Operations Specialties Managers	N/A	10,420	11,390	9.3%	96	280	468	844
11-3012	Administrative Services Managers	BD+	1,030	1,060	2.9%	4	37	43	84
11-3013	Facilities Managers	BD+	530	540	1.9%	1	17	23	41
11-3021	Computer & Information Systems Managers	BD+	2,580	2,870	11.2%	28	53	121	202
11-3031	Financial Managers	BD+	3,920	4,450	13.5%	53	108	171	332
11-3051	Industrial Production Managers	BD+	350	360	2.9%	1	8	15	24
11-3061	Purchasing Managers	BD+	270	280	3.7%	1	8	12	21
11-3071	Transportation, Storage & Distribution Managers	WK EXP	440	460	4.5%	2	13	22	37
11-3111	Compensation & Benefits Managers	BD+	70	70	0.0%	0	2	3	5
11-3121	Human Resources Managers	BD+	1,060	1,110	4.7%	5	31	49	85
11-3131	Training & Development Managers	BD+	180	190	5.6%	1	4	9	14
11-9000	Other Management Occupations	N/A	19,640	20,790	5.9%	115	601	882	1,598
11-9021	Construction Managers	BD+	730	760	4.1%	3	19	34	56
11-9031	Education Admin., Preschool & Childcare Center/Program	BD+	690	680	-1.4%	-1	19	26	44
11-9032	Education Administrators, Elementary & Secondary School	MD+	1,010	1,030	2.0%	2	28	39	69
11-9033	Education Administrators, Postsecondary	MD+	1,810	1,800	-0.6%	-1	49	69	117
11-9039	Education Administrators, Other	BD+	240	250	4.2%	1	7	9	17
11-9041	Architectural & Engineering Managers	BD+	830	860	3.6%	3	17	36	56
11-9051	Food Service Managers	WK EXP	1,430	1,390	-2.8%	-4	52	104	152
11-9072	Entertainment & Recreation Managers	BD+	30	30	0.0%	0	1	2	3
11-9081	Lodging Managers	WK EXP	110	110	0.0%	0	4	6	10
11-9111	Medical & Health Services Managers	BD+	3,250	4,090	25.8%	84	102	152	338
11-9121	Natural Sciences Managers	BD+	720	740	2.8%	2	18	33	53

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
11-9141	Property, Real Estate & Community Association Managers	WK EXP	630	670	6.3%	4	27	22	53
11-9151	Social & Community Service Managers	BD+	1,740	1,870	7.5%	13	58	80	151
11-9161	Emergency Management Directors	BD+	20	20	0.0%	0	0	1	1
11-9199	Managers, Other	BD+	6,200	6,300	1.6%	10	191	261	462
13-0000	Business & Financial Operations Occupations	N/A	53,040	55,300	4.3%	226	1,669	2,569	4,464
13-1000	Business Operations Specialists	N/A	35,110	36,760	4.7%	165	1,121	1,791	3,077
13-1020	Buyers & Purchasing Agents	BD+	1,800	1,650	-8.3%	-15	64	91	140
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	1,830	1,680	-8.2%	-14	45	72	103
13-1041	Compliance Officers	BD+	2,520	2,610	3.6%	9	88	106	203
13-1051	Cost Estimators	BD+	490	480	-2.0%	-1	16	24	39
13-1071	Human Resources Specialists	BD	4,390	4,660	6.2%	26	135	235	396
13-1075	Labor Relations Specialists	BD+	700	670	-4.3%	-4	20	36	52
13-1081	Logisticians	BD	1,150	1,340	16.5%	19	34	65	118
13-1082	Project Management Specialists	BD	3,270	3,410	4.3%	14	76	154	244
13-1111	Management Analysts	BD+	4,710	5,080	7.9%	38	168	225	431
13-1121	Meeting, Convention & Event Planners	BD	720	770	6.9%	5	30	47	82
13-1131	Fundraisers	BD	1,120	1,160	3.6%	4	34	49	87
13-1141	Compensation, Benefits & Job Analysis Specialists	BD+	720	790	9.7%	7	22	30	59
13-1151	Training & Development Specialists	BD+	1,670	1,760	5.4%	8	52	90	150
13-1161	Market Research Analysts & Marketing Specialists	BD	4,600	5,150	12.0%	55	153	284	492
13-1199	Business Operations Specialists, Other	BD	5,390	5,520	2.4%	13	182	283	478
13-2000	Financial Specialists	N/A	17,930	18,540	3.4%	61	548	778	1,387
13-2011	Accountants & Auditors	BD	9,120	9,370	2.7%	24	285	419	728
13-2020	Property Appraisers & Assessors	BD+	310	330	6.5%	2	16	11	29
13-2031	Budget Analysts	BD	270	270	0.0%	0	8	10	18
13-2041	Credit Analysts	BD	250	240	-4.0%	-1	6	11	16
13-2051	Financial Analysts	BD	1,650	1,760	6.7%	11	37	70	118
13-2052	Personal Financial Advisors	BD+	1,570	1,800	14.6%	23	45	58	126
13-2053	Insurance Underwriters	BD+	960	860	-10.4%	-10	27	35	52
13-2054	Financial Risk Specialists	BD	180	190	5.6%	1	4	8	13
13-2061	Financial Examiners	BD+	320	360	12.5%	4	11	13	28
13-2071	Credit Counselors	BD+	200	210	5.0%	1	5	8	14
13-2072	Loan Officers	BD+	1,200	1,230	2.5%	4	32	50	86

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
13-2081	Tax Examiners, Collectors & Revenue Agents	BD+	480	480	0.0%	1	17	18	36
13-2082	Tax Preparers	MT OJT	650	640	-1.5%	-1	36	36	71
13-2099	Financial Specialists, Other	BD	780	810	3.8%	4	18	33	55
15-0000	Computer & Mathematical Occupations	N/A	21,150	23,150	9.5%	199	495	812	1,506
15-1200	Computer Occupations	N/A	19,400	21,000	8.2%	160	452	746	1,358
15-1211	Computer Systems Analysts	BD	2,570	2,760	7.4%	19	67	89	175
15-1212	Information Security Analysts	BD+	550	670	21.8%	13	13	22	48
15-1221	Computer & Information Research Scientists	MD	160	180	12.5%	3	4	6	13
15-1231	Computer Network Support Specialists	AD+	690	710	2.9%	2	17	29	48
15-1232	Computer User Support Specialists	PS+	3,520	3,550	0.9%	3	87	145	235
15-1241	Computer Network Architects	BD+	630	630	0.0%	0	11	21	32
15-1242	Database Administrators	BD	350	360	2.9%	1	9	11	21
15-1243	Database Architects	BD+	350	370	5.7%	2	9	12	23
15-1244	Network & Computer Systems Administrators	BD	1,230	1,230	0.0%	0	25	43	68
15-1251	Computer Programmers	BD	470	420	-10.6%	-5	11	16	22
15-1252	Software Developers	BD	4,230	4,990	18.0%	76	79	165	320
15-1253	Software Quality Assurance Analysts & Testers	BD	620	700	12.9%	9	17	24	50
15-1254	Web Developers	BD	440	500	13.6%	6	9	20	35
15-1255	Web & Digital Interface Designers	BD	390	420	7.7%	3	11	17	31
15-1299	Computer Occupations, All Other	BD	3,220	3,500	8.7%	28	81	126	235
15-2000	Mathematical Scientists	N/A	1,750	2,150	22.9%	40	43	66	149
15-2011	Actuaries	BD+	500	580	16.0%	8	9	17	34
15-2031	Operations Research Analysts	BD	380	460	21.1%	8	12	13	33
15-2041	Statisticians	MD	570	720	26.3%	15	15	23	53
15-2051	Data Scientists	BD	280	360	28.6%	9	7	12	28
17-0000	Architecture & Engineering Occupations	N/A	9,700	10,110	4.2%	41	277	362	680
17-1000	Architects, Surveyors & Cartographers	N/A	1,600	1,650	3.1%	5	50	52	107
17-1011	Architects	BD+	1,240	1,290	4.0%	5	37	39	81
17-1012	Landscape Architects	BD+	230	230	0.0%	0	9	9	18
17-2000	Engineers	N/A	5,880	6,240	6.1%	36	138	198	372
17-2011	Aerospace Engineers	BD	160	180	12.5%	1	4	5	10
17-2031	Biomedical Engineers	BD	130	130	0.0%	0	2	5	7
17-2041	Chemical Engineers	BD	100	100	0.0%	0	2	3	5

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
17-2051	Civil Engineers	BD	1,140	1,210	6.1%	7	25	43	75
17-2061	Computer Hardware Engineers	BD	180	180	0.0%	0	4	6	10
17-2071	Electrical Engineers	BD	550	570	3.6%	2	13	16	31
17-2072	Electronics Engineers	BD	320	320	0.0%	1	7	10	18
17-2081	Environmental Engineers	BD	150	160	6.7%	1	5	5	11
17-2111	Health & Safety Engineers	BD	160	170	6.2%	0	4	5	9
17-2112	Industrial Engineers	BD	580	640	10.3%	6	15	18	39
17-2121	Marine Engineers & Naval Architects	BD	60	60	0.0%	0	1	1	2
17-2131	Materials Engineers	BD	70	70	0.0%	0	2	2	4
17-2141	Mechanical Engineers	BD	1,340	1,490	11.2%	16	31	45	92
17-2199	Engineers, Other	BD	860	880	2.3%	2	21	28	51
17-3000	Drafters, Engineering & Mapping Technicians	N/A	2,220	2,220	0.0%	0	90	112	202
17-3011	Architectural & Civil Drafters	AD	640	640	0.0%	-1	26	32	57
17-3012	Electrical & Electronics Drafters	AD	50	50	0.0%	0	2	2	4
17-3013	Mechanical Drafters	AD	150	140	-6.7%	-1	5	6	10
17-3019	Drafters, Other	AD	60	60	0.0%	-1	2	3	4
17-3022	Civil Engineering Technicians	AD	330	330	0.0%	1	13	17	31
17-3023	Electrical & Electronic Engineering Technicians	AD	300	300	0.0%	0	15	14	29
17-3026	Industrial Engineering Technicians	AD	80	80	0.0%	0	3	4	7
17-3027	Mechanical Engineering Technicians	AD	80	90	12.5%	0	3	4	7
17-3028	Calibration Technologists & Technicians	AD	50	50	0.0%	0	2	2	4
17-3029	Engineering Technicians, Other	AD	360	370	2.8%	0	14	19	33
17-3031	Surveying & Mapping Technicians	MT OJT	50	50	0.0%	0	2	4	6
19-0000	Life, Physical & Social Science Occupations	N/A	7,490	7,840	4.7%	35	169	497	701
19-1000	Life Scientists	N/A	1,170	1,210	3.4%	4	19	65	88
19-1012	Food Scientists & Technologists	BD	30	30	0.0%	0	0	2	2
19-1013	Soil & Plant Scientists	BD	30	30	0.0%	0	0	2	2
19-1021	Biochemists & Biophysicists	DOCT	240	250	4.2%	2	4	14	20
19-1022	Microbiologists	BD	140	140	0.0%	1	2	8	11
19-1029	Biological Scientists, Other	BD	350	350	0.0%	0	6	19	25
19-1031	Conservation Scientists	BD	170	180	5.9%	1	3	10	14
19-1042	Medical Scientists	DOCT	70	70	0.0%	0	1	3	4
19-2000	Physical Scientists	N/A	1,250	1,310	4.8%	5	20	69	94

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
19-2012	Physicists	DOCT	180	180	0.0%	0	4	6	10
19-2021	Atmospheric & Space Scientists	BD	100	100	0.0%	0	1	6	7
19-2031	Chemists	BD	370	400	8.1%	2	6	20	28
19-2032	Materials Scientists	BD	30	40	33.3%	0	0	2	2
19-2041	Environmental Scientists & Specialists	BD	330	350	6.1%	2	5	21	28
19-2042	Geoscientists	BD	50	50	0.0%	0	1	3	4
19-2099	Physical Scientists, Other	BD	150	150	0.0%	0	2	8	10
19-3000	Social Scientists & Related Workers	N/A	2,090	2,180	4.3%	9	44	90	143
19-3011	Economists	MD	130	140	7.7%	0	2	6	8
19-3033	Clinical & Counseling Psychologists	DOCT	620	680	9.7%	6	14	17	37
19-3034	School Psychologists	MD+	430	430	0.0%	0	8	20	28
19-3039	Psychologists, Other	MD+	290	300	3.4%	1	9	10	20
19-3051	Urban & Regional Planners	MD	150	160	6.7%	1	4	8	13
19-3093	Historians	MD	30	30	0.0%	0	0	2	2
19-3099	Social Scientists & Related Workers, Other	BD	320	320	0.0%	0	6	20	26
19-4000	Life, Physical & Social Science Technicians	N/A	2,490	2,620	5.2%	12	72	234	318
19-4013	Food Science Technicians	AD+	60	60	0.0%	0	2	6	8
19-4021	Biological Technicians	BD	820	880	7.3%	5	27	76	108
19-4031	Chemical Technicians	AD+	230	240	4.3%	1	5	22	28
19-4042	Environmental Science & Protection Technicians	AD	120	120	0.0%	0	2	10	12
19-4044	Hydrologic Technicians	AD+	20	20	0.0%	0	0	2	2
19-4099	Life, Physical & Social Science Technicians, Other	AD	690	720	4.3%	3	20	66	89
19-5000	Occupational Health & Safety Specialists & Technicians	N/A	490	530	8.2%	4	14	39	57
19-5011	Occupational Health & Safety Specialists	BD	420	460	9.5%	4	12	34	50
19-5012	Occupational Health & Safety Technicians	MT OJT	70	80	14.3%	0	2	6	8
21-0000	Community & Social Services Occupations	N/A	22,870	24,440	6.9%	157	879	1,110	2,146
21-1000	Counselors, Social Workers & Community Service Specialists	N/A	20,530	22,070	7.5%	154	772	997	1,923
21-1012	Educational, Guidance, School & Vocational Counselors	MD	1,260	1,320	4.8%	6	39	52	97
21-1013	Marriage & Family Therapists	MD+	530	580	9.4%	5	18	16	39
21-1015	Rehabilitation Counselors	MD	690	710	2.9%	2	23	31	56
21-1018	Substance Abuse, Behavioral Disorder, & Mental Health Counselors	BD	4,250	4,880	14.8%	62	164	211	437
21-1019	Counselors, Other	MD	100	120	20.0%	1	5	6	12
21-1021	Child, Family & School Social Workers	BD	4,980	5,200	4.4%	22	165	221	408

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
21-1022	Healthcare Social Workers	MD+	1,230	1,300	5.7%	7	47	59	113
21-1023	Mental Health & Substance Abuse Social Workers	MD+	920	970	5.4%	5	35	30	70
21-1029	Social Workers, Other	BD	360	380	5.6%	2	12	18	32
21-1091	Health Educators	BD	400	420	5.0%	2	16	24	42
21-1092	Probation Officers & Correctional Treatment Specialists	BD+	1,050	1,100	4.8%	5	33	48	86
21-1093	Social & Human Service Assistants	ST OJT	4,190	4,480	6.9%	29	191	248	468
21-1094	Community Health Workers	ST OJT	410	460	12.2%	5	17	25	47
21-1099	Community & Social Service Specialists, Other	BD	160	170	6.2%	1	6	9	16
21-2000	Religious Workers	N/A	2,340	2,370	1.3%	4	106	114	224
21-2011	Clergy	BD+	1,250	1,270	1.6%	2	50	52	104
23-0000	Legal Occupations	N/A	14,290	15,160	6.1%	87	410	431	928
23-1000	Lawyers, Judges & Related Workers	N/A	9,990	10,710	7.2%	72	241	157	470
23-1011	Lawyers	DOCT	9,540	10,230	7.2%	70	230	149	449
23-1021	Administrative Law Judges, Adjudicators & Hearing Officers	DOCT	270	280	3.7%	1	6	4	11
23-1022	Arbitrators, Mediators & Conciliators	BD+	70	80	14.3%	0	2	1	3
23-2000	Legal Support Workers	N/A	4,310	4,460	3.5%	15	168	274	457
23-2011	Paralegals & Legal Assistants	AD	3,730	3,900	4.6%	16	144	242	402
23-2093	Title Examiners, Abstractors & Searchers	MT OJT	230	230	0.0%	-1	9	12	20
23-2099	Legal Support Workers, Other	AD	340	340	0.0%	-1	16	20	35
25-0000	Education, Training & Library Occupations	N/A	54,270	56,080	3.3%	181	2,487	2,280	4,948
25-1000	Postsecondary Teachers	N/A	20,130	21,030	4.5%	90	906	694	1,690
25-1011	Business Teachers, Postsecondary	DOCT	1,240	1,280	3.2%	4	56	43	103
25-1021	Computer Science Teachers, Postsecondary	DOCT	500	510	2.0%	1	22	17	40
25-1022	Mathematical Science Teachers, Postsecondary	DOCT	540	540	0.0%	0	24	18	42
25-1031	Architecture Teachers, Postsecondary	DOCT	490	480	-2.0%	0	21	16	37
25-1032	Engineering Teachers, Postsecondary	DOCT	1,520	1,590	4.6%	7	68	52	127
25-1042	Biological Science Teachers, Postsecondary	DOCT	990	1,030	4.0%	4	45	34	83
25-1051	Atmospheric, Earth, Marine & Space Sciences Teachers, Postsecondary	DOCT	110	110	0.0%	0	5	4	9
25-1052	Chemistry Teachers, Postsecondary	DOCT	680	670	-1.5%	0	30	23	53
25-1053	Environmental Science Teachers, Postsecondary	DOCT	30	30	0.0%	0	1	1	2
25-1054	Physics Teachers, Postsecondary	DOCT	310	310	0.0%	0	14	10	24
25-1061	Anthropology & Archeology Teachers, Postsecondary	DOCT	130	130	0.0%	0	6	4	10
25-1063	Economics Teachers, Postsecondary	DOCT	200	200	0.0%	0	9	7	16

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
25-1065	Political Science Teachers, Postsecondary	DOCT	220	220	0.0%	0	10	8	18
25-1066	Psychology Teachers, Postsecondary	DOCT	770	770	0.0%	1	34	26	61
25-1067	Sociology Teachers, Postsecondary	DOCT	150	150	0.0%	0	6	5	11
25-1069	Social Sciences Teachers, Postsecondary, Other	DOCT	70	70	0.0%	0	3	2	5
25-1072	Nursing Instructors & Teachers, Postsecondary	DOCT	1,550	1,770	14.2%	22	73	56	151
25-1081	Education Teachers, Postsecondary	DOCT	620	610	-1.6%	0	27	21	48
25-1121	Art, Drama & Music Teachers, Postsecondary	MD	1,470	1,470	0.0%	0	65	50	115
25-1122	Communications Teachers, Postsecondary	DOCT	440	440	0.0%	0	19	15	34
25-1123	English Language & Literature Teachers, Postsecondary	DOCT	850	830	-2.4%	-2	37	28	63
25-1124	Foreign Language & Literature Teachers, Postsecondary	DOCT	460	450	-2.2%	-1	20	15	34
25-1125	History Teachers, Postsecondary	DOCT	270	260	-3.7%	-1	12	9	20
25-1126	Philosophy & Religion Teachers, Postsecondary	DOCT	210	200	-4.8%	0	9	7	16
25-1193	Recreation & Fitness Studies Teachers, Postsecondary	DOCT	110	110	0.0%	0	5	4	9
25-1194	Vocational Education Teachers, Postsecondary	BD+	480	500	4.2%	2	22	17	41
25-1199	Postsecondary Teachers, Other	DOCT	430	430	0.0%	0	19	14	33
25-2000	Primary, Secondary & Special Education School Teachers	N/A	19,560	20,040	2.5%	48	680	741	1,469
25-2011	Preschool Teachers	AD	3,040	3,210	5.6%	18	143	184	345
25-2021	Elementary School Teachers	BD	5,660	5,760	1.8%	10	192	188	390
25-2022	Middle School Teachers	BD	2,320	2,370	2.2%	5	79	77	161
25-2031	Secondary School Teachers	BD	6,080	6,210	2.1%	13	178	198	389
25-2052	Special Education Teachers, Kindergarten & Elementary School	BD	530	530	0.0%	0	18	18	36
25-2057	Special Education Teachers, Middle School	BD	140	140	0.0%	0	5	5	10
25-2058	Special Education Teachers, Secondary School	BD	1,080	1,090	0.9%	1	36	36	73
25-2059	Special Education Teachers, Other	BD	20	20	0.0%	0	1	1	2
25-3000	Other Teachers & Instructors	N/A	4,280	4,470	4.4%	20	314	278	612
25-3011	Adult Basic & Secondary Education & Literacy Teachers	BD	160	140	-12.5%	-2	10	9	17
25-3021	Self-Enrichment Education Teachers	WK EXP	1,570	1,640	4.5%	7	100	91	198
25-3031	Substitute Teachers, Short-Term	BD	630	670	6.3%	4	40	37	81
25-3041	Tutors	PS	1,390	1,470	5.8%	8	130	111	249
25-3099	Teachers & Instructors, Other	BD	530	550	3.8%	2	34	31	67
25-4000	Librarians, Curators & Archivists	N/A	1,500	1,590	6.0%	9	100	75	184
25-4011	Archivists	MD	110	130	18.2%	1	7	7	15
25-4012	Curators	MD	150	170	13.3%	2	10	9	21

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
25-4013	Museum Technicians & Conservators	BD	240	270	12.5%	3	16	14	33
25-4022	Librarians & Media Collections Specialists	MD	750	770	2.7%	3	42	29	74
25-4031	Library Technicians	PS	250	250	0.0%	0	25	16	41
25-9000	Other Education, Training & Library Occupations	N/A	8,810	8,950	1.6%	14	488	492	994
25-9031	Instructional Coordinators	MD+	1,160	1,210	4.3%	5	55	46	106
25-9044	Teaching Assistants, Postsecondary	BD	1,370	1,370	0.0%	0	78	81	159
25-9045	Teaching Assistants, Non-Postsecondary	PS	5,810	5,870	1.0%	6	333	345	684
25-9099	Education, Training & Library Workers, Other	BD	480	510	6.2%	3	23	19	45
27-0000	Arts, Design, Entertainment, Sports & Media Occupations	N/A	14,250	14,690	3.1%	45	612	813	1,470
27-1000	Art & Design Workers	N/A	4,310	4,400	2.1%	9	168	224	401
27-1011	Art Directors	BD+	700	730	4.3%	3	33	34	70
27-1013	Fine Artists	BD+	40	40	0.0%	0	2	2	4
27-1014	Multimedia Artists & Animators	BD	50	50	0.0%	0	2	2	4
27-1019	Artists & Related Workers, Other	LT OJT	90	90	0.0%	0	4	4	8
27-1021	Commercial & Industrial Designers	BD	40	40	0.0%	0	1	2	3
27-1022	Fashion Designers	BD	80	80	0.0%	0	2	5	7
27-1024	Graphic Designers	BD	1,460	1,500	2.7%	4	42	76	122
27-1025	Interior Designers	BD	880	910	3.4%	3	38	41	82
27-1026	Merchandise Displayers & Window Trimmers	ST OJT	500	510	2.0%	0	24	35	59
27-1027	Set & Exhibit Designers	BD	150	160	6.7%	1	4	8	13
27-2000	Entertainers & Performers, Sports & Related Workers	N/A	4,570	4,800	5.0%	23	247	298	568
27-2011	Actors	PS+	570	590	3.5%	2	31	35	68
27-2012	Producers & Directors	BD+	1,000	1,040	4.0%	4	29	54	87
27-2022	Coaches & Scouts	BD	1,430	1,550	8.4%	12	82	104	198
27-2041	Music Directors & Composers	BD+	220	230	4.5%	1	11	11	23
27-2042	Musicians & Singers	LT OJT	640	660	3.1%	2	45	38	85
27-3000	Media & Communication Workers	N/A	3,830	3,900	1.8%	7	147	205	359
27-3011	Radio & Television Announcers	BD	190	190	0.0%	0	9	10	19
27-3031	Public Relations Specialists	BD	1,290	1,350	4.7%	6	32	72	110
27-3041	Editors	BD+	710	690	-2.8%	-2	32	38	68
27-3042	Technical Writers	BD+	280	290	3.6%	1	8	15	24
27-3043	Writers & Authors	BD+	650	670	3.1%	1	30	34	65
27-3091	Interpreters & Translators	BD	190	190	0.0%	0	10	9	19

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
27-4000	Media & Communication Equipment Workers	N/A	1,540	1,600	3.9%	6	50	87	143
27-4011	Audio & Video Equipment Technicians	PS	370	390	5.4%	2	11	22	35
27-4012	Broadcast Technicians	AD	220	220	0.0%	0	7	13	20
27-4021	Photographers	MT OJT	550	570	3.6%	2	21	28	51
27-4031	Camera Operators: TV, Video & Motion Picture	BD	140	130	-7.1%	0	4	8	12
27-4032	Film & Video Editors	BD	140	160	14.3%	2	4	9	15
27-4099	Media & Communication Equipment Workers, Other	ST OJT	70	70	0.0%	0	2	4	6
29-0000	Healthcare Practitioners & Technical Occupations	N/A	66,450	70,470	6.0%	402	2,167	1,617	4,186
29-1000	Health Diagnosing & Treating Practitioners	N/A	46,270	49,320	6.6%	304	1,434	899	2,637
29-1021	Dentists, General	DOCT	530	550	3.8%	1	12	3	16
29-1031	Dietitians & Nutritionists	BD+	610	630	3.3%	2	22	17	41
29-1041	Optometrists	DOCT	190	210	10.5%	2	5	1	8
29-1051	Pharmacists	DOCT	2,320	2,430	4.7%	10	55	33	98
29-1071	Physician Assistants	MD	930	1,170	25.8%	24	23	28	75
29-1081	Podiatrists	DOCT	60	60	0.0%	0	1	0	1
29-1122	Occupational Therapists	MD	1,160	1,290	11.2%	13	36	30	79
29-1123	Physical Therapists	DOCT	1,560	1,780	14.1%	22	38	26	86
29-1125	Recreational Therapists	BD	140	140	0.0%	0	6	5	11
29-1127	Speech-Language Pathologists	MD+	690	820	18.8%	13	20	19	52
29-1131	Veterinarians	DOCT	140	160	14.3%	1	3	1	5
29-1141	Registered Nurses	BD	28,150	29,290	4.0%	114	954	591	1,659
29-1171	Nurse Practitioners	MD	1,420	2,040	43.7%	62	38	38	138
29-1214	Emergency Medicine Physicians	DOCT	60	60	0.0%	0	1	0	1
29-1215	Family Medicine Physicians	DOCT	600	620	3.3%	2	12	4	18
29-1216	General Internal Medicine Physicians	DOCT	120	120	0.0%	0	2	1	3
29-1223	Psychiatrists	DOCT	190	200	5.3%	1	4	1	6
29-1229	Physicians, All Other	DOCT	2,140	2,180	1.9%	4	44	13	61
29-1292	Dental Hygienists	AD	850	900	5.9%	4	38	19	61
29-2000	Health Technologists & Technicians	N/A	19,360	20,250	4.6%	89	705	694	1,488
29-2010	Clinical Laboratory Technologists & Technicians	BD	2,620	2,690	2.7%	7	90	79	176
29-2031	Cardiovascular Technologists & Technicians	AD	650	670	3.1%	2	22	18	42
29-2032	Diagnostic Medical Sonographers	AD	630	700	11.1%	7	18	16	41
29-2033	Nuclear Medicine Technologists	AD	160	160	0.0%	0	4	4	8

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
29-2034	Radiologic Technologists	AD	1,680	1,710	1.8%	2	52	36	90
29-2035	Magnetic Resonance Imaging Technologists	AD+	400	420	5.0%	1	12	9	22
29-2051	Dietetic Technicians	AD	240	240	0.0%	1	12	13	26
29-2052	Pharmacy Technicians	MT OJT	3,070	3,280	6.8%	21	124	160	305
29-2053	Psychiatric Technicians	PS+	550	530	-3.6%	-2	21	23	42
29-2055	Surgical Technologists	PS	570	580	1.8%	1	17	17	35
29-2056	Veterinary Technologists & Technicians	AD	520	560	7.7%	4	19	30	53
29-2057	Ophthalmic Medical Technicians	PS	140	160	14.3%	2	8	8	18
29-2061	Licensed Practical & Licensed Vocational Nurses	PS	4,360	4,630	6.2%	27	182	158	367
29-2072	Medical Records Specialists	PS	940	1,020	8.5%	8	37	28	73
29-2081	Opticians, Dispensing	LT OJT	170	180	5.9%	1	7	7	15
29-2091	Orthotists & Prosthetists	MD+	100	130	30.0%	2	4	4	10
29-2099	Health Technologists & Technicians, Other	PS	1,280	1,300	1.6%	2	46	40	88
29-9000	Other Healthcare Practitioners & Technical Occupations	N/A	810	910	12.3%	9	28	23	60
29-9021	Health Information Technologists & Medical Registrars	AD	140	160	14.3%	2	5	4	11
29-9091	Athletic Trainers	MD	280	330	17.9%	5	10	8	23
29-9099	Healthcare Practitioners & Technical Workers, Other	PS	190	190	0.0%	0	6	5	11
31-0000	Healthcare Support Occupations	N/A	59,280	67,070	13.1%	779	4,559	4,544	9,882
31-1100	Nursing, Psychiatric, & Home Health Aides	N/A	49,950	56,940	14.0%	698	4,053	3,726	8,477
31-1120	Home Health & Personal Care Aides	ST OJT	37,320	43,600	16.8%	629	3,237	2,699	6,565
31-1131	Nursing Assistants	PS	11,600	12,280	5.9%	68	756	935	1,759
31-2000	Occupational & Physical Therapist Assistants & Aides	N/A	1,060	1,220	15.1%	17	55	100	172
31-2021	Physical Therapist Assistants	AD	510	640	25.5%	13	28	50	91
31-2022	Physical Therapist Aides	ST OJT	330	320	-3.0%	-1	16	29	44
31-9000	Other Healthcare Support Occupations	N/A	8,270	8,910	7.7%	64	450	718	1,232
31-9091	Dental Assistants	PS	1,110	1,160	4.5%	5	63	92	160
31-9092	Medical Assistants	PS	3,820	4,280	12.0%	46	190	326	562
31-9093	Medical Equipment Preparers	MT OJT	510	520	2.0%	1	29	39	69
31-9095	Pharmacy Aides	ST OJT	330	330	0.0%	0	21	37	58
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	420	440	4.8%	2	26	56	84
31-9097	Phlebotomists	PS	760	770	1.3%	2	38	60	100
31-9099	Healthcare Support Workers, Other	ST OJT	660	680	3.0%	2	37	51	90
33-0000	Protective Service Occupations	N/A	27,330	27,430	0.4%	10	1,432	1,662	3,104

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
33-1000	Supervisors - Protective Service Workers	N/A	2,350	2,400	2.1%	5	72	97	174
33-1012	Supervisors - Police & Detectives	WK EXP	1,110	1,160	4.5%	4	32	42	78
33-1091	Supervisors - Security Workers	WK EXP	380	360	-5.3%	-2	15	19	32
33-1099	Supervisors - Protective Service Workers, Other	WK EXP	230	230	0.0%	0	9	12	21
33-2000	Fire Fighting & Prevention Workers	N/A	1,670	1,750	4.8%	7	44	82	133
33-3000	Law Enforcement Workers	N/A	9,720	9,920	2.1%	20	323	459	802
33-3041	Parking Enforcement Workers	ST OJT	230	230	0.0%	0	12	12	24
33-3051	Police & Sheriff's Patrol Officers	MT OJT	5,920	6,190	4.6%	26	177	283	486
33-9000	Other Protective Service Workers	N/A	13,590	13,380	-1.5%	-22	992	1,024	1,994
33-9021	Private Detectives & Investigators	WK EXP	170	180	5.9%	1	7	9	17
33-9032	Security Guards	ST OJT	10,690	10,440	-2.3%	-26	611	785	1,370
33-9091	Crossing Guards	ST OJT	880	930	5.7%	4	154	47	205
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	670	660	-1.5%	-1	106	89	194
33-9094	School Bus Monitors	ST OJT	140	140	0.0%	0	19	6	25
33-9099	Protective Service Workers, Other	ST OJT	410	420	2.4%	1	66	55	122
35-0000	Food Preparation & Serving Related Occupations	N/A	55,130	55,360	0.4%	23	4,835	5,792	10,650
35-1000	Supervisors - Food Preparation & Serving Workers	N/A	4,660	4,760	2.1%	9	231	442	682
35-1011	Chefs & Head Cooks	WK EXP	500	520	4.0%	1	20	40	61
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	4,160	4,240	1.9%	8	212	402	622
35-2000	Cooks & Food Preparation Workers	N/A	12,400	13,210	6.5%	81	928	1,064	2,073
35-2012	Cooks, Institution & Cafeteria	ST OJT	1,700	1,730	1.8%	3	117	140	260
35-2014	Cooks, Restaurant	MT OJT	6,080	7,180	18.1%	110	452	541	1,103
35-2015	Cooks, Short Order	ST OJT	720	670	-6.9%	-5	48	57	100
35-2021	Food Preparation Workers	ST OJT	2,730	2,620	-4.0%	-11	237	238	464
35-3000	Food & Beverage Serving Workers	N/A	31,650	31,080	-1.8%	-58	3,000	3,670	6,612
35-3011	Bartenders	ST OJT	3,160	3,110	-1.6%	-5	170	365	530
35-3023	Fast Food & Counter Workers	ST OJT	16,700	16,680	-0.1%	-2	1,843	1,967	3,808
35-3031	Waiters & Waitresses	ST OJT	10,360	9,820	-5.2%	-54	868	1,220	2,034
35-3041	Food Servers, Nonrestaurant	ST OJT	1,430	1,470	2.8%	4	119	118	241
35-9000	Other Food Preparation & Serving Related Workers	N/A	6,410	6,320	-1.4%	-9	676	616	1,283
35-9021	Dishwashers	ST OJT	2,270	2,190	-3.5%	-9	196	187	374
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	2,130	2,100	-1.4%	-3	285	247	529
37-0000	Building & Grounds Cleaning & Maintenance Occupations	N/A	19,300	19,570	1.4%	27	1,301	1,354	2,682

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
37-1000	Supervisors - Building & Grounds Cleaning & Maintenance Workers	N/A	1,160	1,190	2.6%	2	57	73	132
37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	860	870	1.2%	2	45	54	101
37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	310	320	3.2%	1	12	19	32
37-2000	Building Cleaning & Pest Control Workers	N/A	15,990	16,150	1.0%	16	1,136	1,109	2,261
37-2011	Janitors & Cleaners	ST OJT	12,100	12,320	1.8%	22	850	849	1,721
37-2012	Maids & Housekeeping Cleaners	ST OJT	3,850	3,790	-1.6%	-7	284	256	533
37-3000	Grounds Maintenance Workers	N/A	2,150	2,230	3.7%	9	107	171	287
37-3011	Landscaping & Groundskeeping Workers	ST OJT	2,050	2,130	3.9%	8	104	162	274
37-3013	Tree Trimmers & Pruners	ST OJT	70	70	0.0%	0	2	6	8
39-0000	Personal Care & Service Occupations	N/A	22,700	23,650	4.2%	95	1,536	2,252	3,883
39-1000	Supervisors - Personal Care & Service Workers	N/A	2,390	2,560	7.1%	16	104	161	281
39-1022	Supervisors - Personal Service Workers	WK EXP	1,570	1,700	8.3%	14	69	106	189
39-2000	Animal Care & Service Workers	N/A	1,450	1,720	18.6%	27	101	180	308
39-2011	Animal Trainers	MT OJT	90	90	0.0%	1	4	8	13
39-2021	Nonfarm Animal Caretakers	ST OJT	1,360	1,620	19.1%	26	97	172	295
39-3000	Entertainment Attendants & Related Workers	N/A	2,130	2,100	-1.4%	-3	234	311	542
39-3031	Ushers, Lobby Attendants & Ticket Takers	ST OJT	970	980	1.0%	1	135	148	284
39-3091	Amusement & Recreation Attendants	ST OJT	580	580	0.0%	-1	65	97	161
39-3092	Costume Attendants	ST OJT	50	50	0.0%	0	5	8	13
39-5000	Personal Appearance Workers	N/A	5,600	5,990	7.0%	40	320	424	784
39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	3,380	3,610	6.8%	23	208	263	494
39-5092	Manicurists & Pedicurists	PS	1,670	1,800	7.8%	13	86	115	214
39-5094	Skincare Specialists	PS	210	230	9.5%	2	11	18	31
39-6011	Baggage Porters & Bellhops	ST OJT	190	190	0.0%	0	10	19	29
39-6012	Concierges	MT OJT	230	240	4.3%	1	13	24	38
39-7000	Tour & Travel Guides	N/A	500	550	10.0%	6	48	62	116
39-7010	Tour & Travel Guides	MT OJT	500	550	10.0%	6	48	62	116
39-9000	Other Personal Care & Service Workers	N/A	10,050	10,110	0.6%	7	697	1,057	1,761
39-9011	Childcare Workers	ST OJT	6,070	5,920	-2.5%	-15	433	559	977
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	1,320	1,410	6.8%	9	83	167	259
39-9032	Recreation Workers	ST OJT	1,270	1,310	3.1%	4	94	168	266
41-0000	Sales & Related Occupations	N/A	45,920	44,550	-3.0%	-137	2,664	3,231	5,758
41-1000	Supervisors - Sales Workers	N/A	5,890	5,500	-6.6%	-38	216	323	501

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
41-1011	Supervisors - Retail Sales Workers	WK EXP	4,790	4,430	-7.5%	-36	180	272	416
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	1,100	1,070	-2.7%	-3	37	51	85
41-2000	Retail Sales Workers	N/A	25,400	23,960	-5.7%	-144	1,933	2,121	3,910
41-2011	Cashiers	ST OJT	11,280	10,220	-9.4%	-106	1,034	1,041	1,969
41-2021	Counter & Rental Clerks	ST OJT	910	900	-1.1%	-1	51	54	104
41-2031	Retail Salespersons	ST OJT	12,560	12,200	-2.9%	-36	812	980	1,756
41-3000	Sales Representatives, Services	N/A	8,110	8,430	3.9%	33	245	468	746
41-3021	Insurance Sales Agents	MT OJT	1,390	1,450	4.3%	6	53	59	118
41-3031	Securities, Commodities & Financial Services Sales Agents	BD+	2,340	2,560	9.4%	22	68	111	201
41-3091	Sales Representatives - Services	MT OJT	3,550	3,650	2.8%	9	92	244	345
41-4000	Sales Representatives, Wholesale & Manufacturing	N/A	3,230	3,280	1.5%	5	108	178	291
41-4011	Sales Representatives, Technical & Scientific Products	BD+	410	440	7.3%	3	14	23	40
41-4012	Sales Representatives	MT OJT	2,830	2,840	0.4%	2	94	155	251
41-9000	Other Sales & Related Workers	N/A	3,290	3,370	2.4%	8	161	141	310
41-9011	Demonstrators & Product Promoters	ST OJT	60	60	0.0%	0	6	4	10
41-9021	Real Estate Brokers	WK EXP	470	500	6.4%	3	22	18	43
41-9022	Real Estate Sales Agents	MT OJT	2,250	2,320	3.1%	7	106	83	196
41-9041	Telemarketers	ST OJT	130	100	-23.1%	-3	6	10	13
41-9099	Sales & Related Workers, Other	ST OJT	220	230	4.5%	1	12	17	30
43-0000	Office & Administrative Support Occupations	N/A	95,270	88,920	-6.7%	-636	4,946	5,386	9,696
43-1000	Supervisors - Office & Administrative Support Workers	N/A	9,440	8,880	-5.9%	-56	383	491	818
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	9,440	8,880	-5.9%	-56	383	491	818
43-2000	Communications Equipment Operators	N/A	230	170	-26.1%	-6	9	11	14
43-2011	Switchboard Operators	ST OJT	200	150	-25.0%	-5	8	9	12
43-3000	Financial Clerks	N/A	11,100	10,410	-6.2%	-69	611	570	1,112
43-3011	Bill & Account Collectors	MT OJT	670	610	-9.0%	-6	31	37	62
43-3021	Billing & Posting Clerks	MT OJT	1,850	1,850	0.0%	0	87	101	188
43-3031	Bookkeeping, Accounting & Auditing Clerks	PS+	6,380	6,010	-5.8%	-37	402	316	681
43-3051	Payroll & Timekeeping Clerks	MT OJT	750	650	-13.3%	-10	34	36	60
43-3061	Procurement Clerks	MT OJT	300	280	-6.7%	-2	9	18	25
43-3071	Tellers	ST OJT	1,100	960	-12.7%	-14	46	58	90
43-4000	Information & Record Clerks	N/A	25,250	24,290	-3.8%	-96	1,351	1,719	2,974
43-4011	Brokerage Clerks	MT OJT	150	130	-13.3%	-1	7	8	14

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
43-4031	Court, Municipal & License Clerks	LT OJT	500	520	4.0%	2	26	24	52
43-4051	Customer Service Representatives	ST OJT	11,500	10,790	-6.2%	-71	623	874	1,426
43-4061	Eligibility Interviewers, Government Programs	MT OJT	2,930	3,070	4.8%	14	118	141	273
43-4071	File Clerks	ST OJT	700	590	-15.7%	-12	40	39	67
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	610	550	-9.8%	-6	36	55	85
43-4111	Interviewers	ST OJT	680	600	-11.8%	-9	34	43	68
43-4121	Library Assistants, Clerical	ST OJT	490	490	0.0%	-1	48	36	83
43-4131	Loan Interviewers & Clerks	ST OJT	610	610	0.0%	0	20	30	50
43-4141	New Accounts Clerks	MT OJT	50	40	-20.0%	-1	1	3	3
43-4151	Order Clerks	PS	310	250	-19.4%	-6	13	18	25
43-4161	Human Resources Assistants	AD	480	450	-6.2%	-3	20	31	48
43-4171	Receptionists & Information Clerks	ST OJT	4,110	4,050	-1.5%	-5	258	284	537
43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	ST OJT	1,430	1,440	0.7%	1	68	89	158
43-4199	Information & Record Clerks, Other	ST OJT	680	670	-1.5%	0	35	41	76
43-5000	Material Recording, Scheduling, Dispatching & Distributing Workers	N/A	9,140	8,970	-1.9%	-16	400	438	822
43-5011	Cargo & Freight Agents	ST OJT	640	660	3.1%	2	26	40	68
43-5021	Couriers & Messengers	ST OJT	540	540	0.0%	0	26	31	57
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	420	440	4.8%	2	20	23	45
43-5032	Dispatchers	MT OJT	560	550	-1.8%	-1	22	30	51
43-5041	Meter Readers, Utilities	ST OJT	100	90	-10.0%	-1	4	4	7
43-5061	Production, Planning & Expediting Clerks	MT OJT	1,010	1,020	1.0%	1	39	63	103
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	1,790	1,630	-8.9%	-16	70	102	156
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	110	100	-9.1%	-1	6	7	12
43-6000	Secretaries & Administrative Assistants	N/A	16,590	14,650	-11.7%	-194	866	829	1,501
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	2,450	1,940	-20.8%	-51	99	124	172
43-6012	Legal Secretaries	MT OJT	1,890	1,490	-21.2%	-40	98	93	151
43-6013	Medical Secretaries	MT OJT	2,580	2,740	6.2%	17	141	135	293
43-6014	Secretaries	ST OJT	9,670	8,480	-12.3%	-119	528	478	887
43-9000	Other Office & Administrative Support Workers	N/A	23,520	21,540	-8.4%	-198	1,325	1,329	2,456
43-9021	Data Entry Keyers	ST OJT	860	640	-25.6%	-22	38	49	65
43-9022	Word Processors & Typists	ST OJT	860	540	-37.2%	-32	55	38	61
43-9031	Desktop Publishers	AD	20	20	0.0%	0	1	1	2
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	1,020	930	-8.8%	-9	39	48	78

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
43-9051	Mail Clerks & Mail Machine Operators	ST OJT	430	400	-7.0%	-2	27	26	51
43-9061	Office Clerks, General	ST OJT	18,800	17,630	-6.2%	-117	1,101	1,071	2,055
43-9071	Office Machine Operators	ST OJT	180	160	-11.1%	-3	10	13	20
43-9081	Proofreaders & Copy Markers	BD	80	80	0.0%	0	6	5	11
43-9111	Statistical Assistants	BD	40	40	0.0%	0	1	2	3
43-9199	Office & Administrative Support Workers, Other	ST OJT	1,250	1,120	-10.4%	-13	48	76	111
45-0000	Farming, Fishing & Forestry Occupations	N/A	420	380	-9.5%	-5	22	37	54
45-2000	Agricultural Workers	N/A	390	340	-12.8%	-5	20	34	49
45-2093	Farmworkers, Farm, Ranch & Aquacultural Animals	ST OJT	100	80	-20.0%	-2	5	8	11
47-0000	Construction & Extraction Occupations	N/A	16,250	16,680	2.6%	43	579	813	1,435
47-1000	Supervisors - Construction & Extraction Workers	N/A	1,480	1,530	3.4%	4	50	68	122
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	1,480	1,530	3.4%	4	50	68	122
47-2000	Construction Trades Workers	N/A	12,430	12,710	2.3%	28	420	624	1,072
47-2021	Brickmasons & Blockmasons	LT OJT	140	140	0.0%	0	5	6	11
47-2031	Carpenters	LT OJT	2,670	2,690	0.7%	2	93	126	221
47-2051	Cement Masons & Concrete Finishers	MT OJT	220	210	-4.5%	-1	5	10	14
47-2061	Construction Laborers	ST OJT	2,970	3,090	4.0%	12	104	153	269
47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	40	40	0.0%	0	1	2	3
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	1,180	1,220	3.4%	4	40	60	104
47-2081	Drywall & Ceiling Tile Installers	MT OJT	100	100	0.0%	0	2	4	6
47-2111	Electricians	LT OJT	1,390	1,450	4.3%	6	47	76	129
47-2141	Painters, Construction & Maintenance	MT OJT	1,180	1,190	0.8%	1	40	50	91
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	1,680	1,700	1.2%	2	53	91	146
47-2161	Plasterers & Stucco Masons	LT OJT	30	30	0.0%	0	1	1	2
47-2181	Roofers	MT OJT	250	260	4.0%	1	7	12	20
47-3012	Helpers--Carpenters	ST OJT	70	70	0.0%	0	2	5	7
47-3013	Helpers--Electricians	ST OJT	110	110	0.0%	0	4	8	12
47-4000	Other Construction & Related Workers	N/A	1,980	2,100	6.1%	12	96	96	204
47-4011	Construction & Building Inspectors	WK EXP	410	400	-2.4%	-1	26	19	44
47-4021	Elevator Installers & Repairers	LT OJT	30	30	0.0%	0	1	2	3
47-4041	Hazardous Materials Removal Workers	MT OJT	140	140	0.0%	0	6	9	15
47-4051	Highway Maintenance Workers	MT OJT	1,180	1,300	10.2%	12	55	55	122
47-4090	Miscellaneous Construction & Related Workers	MT OJT	70	70	0.0%	0	3	4	7

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
49-0000	Installation, Maintenance & Repair Occupations	N/A	19,530	20,080	2.8%	55	775	949	1,779
49-1000	Supervisors - Installation, Maintenance & Repair Workers	N/A	1,900	1,970	3.7%	6	75	84	165
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	1,900	1,970	3.7%	6	75	84	165
49-2000	Electrical & Electronic Equipment Mechanics, Installers & Repairers	N/A	1,540	1,560	1.3%	2	54	92	148
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	330	310	-6.1%	-2	11	20	29
49-2022	Telecommunications Equipment Installers & Repairers	PS+	640	680	6.2%	5	23	43	71
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	PS+	280	270	-3.6%	0	9	14	23
49-3000	Vehicle & Mobile Equipment Mechanics, Installers	N/A	4,960	5,020	1.2%	6	174	238	418
49-3011	Aircraft Mechanics & Service Technicians	PS	940	960	2.1%	2	28	40	70
49-3021	Automotive Body & Related Repairers	LT OJT	420	430	2.4%	1	18	18	37
49-3023	Automotive Service Technicians & Mechanics	PS	2,180	2,180	0.0%	0	76	108	184
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	650	650	0.0%	0	23	30	53
49-3042	Mobile Heavy Equipment Mechanics	LT OJT	310	320	3.2%	1	10	16	27
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	MT OJT	60	60	0.0%	0	3	3	6
49-3093	Tire Repairers & Changers	ST OJT	70	70	0.0%	0	3	5	8
49-9000	Other Installation, Maintenance & Repair Occupations	N/A	11,130	11,530	3.6%	40	472	536	1,048
49-9012	Control & Valve Installers & Repairers	MT OJT	110	120	9.1%	0	4	4	8
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS+	1,000	1,040	4.0%	4	32	53	89
49-9041	Industrial Machinery Mechanics	LT OJT	850	960	12.9%	11	32	37	80
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	220	230	4.5%	1	6	11	18
49-9052	Telecommunications Line Installers & Repairers	LT OJT	450	470	4.4%	3	14	26	43
49-9062	Medical Equipment Repairers	AD+	170	180	5.9%	1	7	9	17
49-9069	Precision Instrument & Equipment Repairers, Other	LT OJT	40	40	0.0%	0	2	2	4
49-9071	Maintenance & Repair Workers, General	MT OJT	6,820	7,040	3.2%	23	305	316	644
49-9094	Locksmiths & Safe Repairers	LT OJT	80	70	-12.5%	-1	4	4	7
49-9097	Signal & Track Switch Repairers	MT OJT	10	10	0.0%	0	0	1	1
49-9098	Helpers--Installation, Maintenance & Repair Workers	ST OJT	350	360	2.9%	1	22	18	41
49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	390	390	0.0%	0	15	22	37
51-0000	Production Occupations	N/A	15,770	15,430	-2.2%	-34	735	991	1,692
51-1000	Supervisors - Production Workers	N/A	1,330	1,330	0.0%	0	48	75	123
51-1011	Supervisors - Production & Operating Workers	WK EXP	1,330	1,330	0.0%	0	48	75	123
51-2000	Assemblers & Fabricators	N/A	2,120	2,020	-4.7%	-11	90	129	208
51-2028	Electrical, Electronic, & Electromechanical Assemblers	MT OJT	320	310	-3.1%	-1	16	18	33

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
51-2090	Misc. Assemblers & Fabricators	MT OJT	1,660	1,590	-4.2%	-7	69	102	164
51-3000	Food Processing Workers	N/A	2,660	2,730	2.6%	7	163	200	370
51-3011	Bakers	MT OJT	1,090	1,130	3.7%	4	78	83	165
51-3021	Butchers & Meat Cutters	LT OJT	440	440	0.0%	0	22	30	52
51-3023	Slaughterers & Meat Packers	ST OJT	360	350	-2.8%	-1	18	24	41
51-3092	Food Batchmakers	MT OJT	420	450	7.1%	3	28	37	68
51-3099	Food Processing Workers, Other	MT OJT	50	50	0.0%	0	2	3	5
51-4000	Metal Workers & Plastic Workers	N/A	1,910	1,860	-2.6%	-5	69	114	178
51-4031	Cutting, Punching & Press Machine Operators	MT OJT	130	120	-7.7%	-1	4	8	11
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Operators	MT OJT	70	70	0.0%	0	3	5	8
51-4041	Machinists	LT OJT	400	400	0.0%	1	16	23	40
51-4072	Molding, Coremaking & Casting Machine Operators	MT OJT	90	90	0.0%	0	3	5	8
51-4081	Multiple Machine Tool Operators	MT OJT	310	310	0.0%	0	12	18	30
51-4111	Tool & Die Makers	PS+	60	60	0.0%	0	3	3	6
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	580	560	-3.4%	-2	17	38	53
51-4193	Plating & Coating Machine Operators	MT OJT	70	60	-14.3%	-1	3	4	6
51-5100	Printing Workers	N/A	610	540	-11.5%	-7	26	34	53
51-5112	Printing Press Operators	MT OJT	430	390	-9.3%	-4	18	25	39
51-6000	Textile, Apparel & Furnishings Workers	N/A	1,310	1,240	-5.3%	-7	88	68	149
51-6011	Laundry & Dry-Cleaning Workers	ST OJT	470	460	-2.1%	-1	36	28	63
51-6021	Pressers: Textile, Garment & Related Materials	ST OJT	80	60	-25.0%	-2	5	4	7
51-6031	Sewing Machine Operators	ST OJT	520	490	-5.8%	-2	33	24	55
51-6061	Textile Bleaching & Dyeing Machine Operators	ST OJT	20	20	0.0%	0	1	1	2
51-6062	Textile Cutting Machine Operators	MT OJT	30	30	0.0%	0	1	2	3
51-6064	Textile Winding, Twisting & Drawing Out Machine Operators	MT OJT	30	20	-33.3%	-1	1	2	2
51-7000	Woodworkers	N/A	280	270	-3.6%	-1	12	15	26
51-7011	Cabinetmakers & Bench Carpenters	MT OJT	170	160	-5.9%	-1	7	9	15
51-7021	Furniture Finishers	ST OJT	30	30	0.0%	0	2	2	4
51-7042	Woodworking Machine Operators	MT OJT	50	50	0.0%	0	2	3	5
51-8000	Plant & System Operators	N/A	720	700	-2.8%	-2	26	40	64
51-8021	Stationary Engineers & Boiler Operators	LT OJT	260	260	0.0%	0	12	15	27
51-8031	Water & Wastewater Treatment Plant & System Operators	LT OJT	170	160	-5.9%	-1	7	8	14
51-9000	Other Production Occupations	N/A	4,840	4,750	-1.9%	-8	213	315	520

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
51-9011	Chemical Equipment Operators	MT OJT	390	360	-7.7%	-3	12	23	32
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Operators	MT OJT	130	140	7.7%	0	4	8	12
51-9022	Grinding & Polishing Workers, Hand	MT OJT	20	20	0.0%	0	1	1	2
51-9023	Mixing & Blending Machine Operators	MT OJT	170	170	0.0%	0	6	11	17
51-9041	Extruding, Forming, Pressing & Compacting Machine Operators	MT OJT	70	70	0.0%	0	3	4	7
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	950	900	-5.3%	-5	39	66	100
51-9071	Jewelers & Precious Stone & Metal Workers	LT OJT	200	190	-5.0%	-1	15	11	25
51-9082	Medical Appliance Technicians	MT OJT	80	100	25.0%	2	4	6	12
51-9111	Packaging & Filling Machine Operators	MT OJT	1,160	1,200	3.4%	4	56	69	129
51-9123	Painting, Coating & Decorating Workers	MT OJT	20	20	0.0%	0	0	1	1
51-9124	Coating, Painting & Spraying Machine Setters/Oprs/Tenders	MT OJT	260	270	3.8%	1	8	16	25
51-9161	CNC Tool Operators	MT OJT	160	150	-6.2%	-1	5	9	13
51-9162	CNC Tool Programmers	PS+	20	30	50.0%	0	1	1	2
51-9191	Adhesive Bonding Machine Operators	MT OJT	20	20	0.0%	0	1	1	2
51-9195	Molders, Shapers & Casters	LT OJT	80	70	-12.5%	-1	4	5	8
51-9196	Paper Goods Machine Operators	MT OJT	250	240	-4.0%	-1	10	17	26
51-9198	Helpers--Production Workers	ST OJT	330	300	-9.1%	-3	21	28	46
51-9199	Production Workers, Other	MT OJT	260	260	0.0%	0	11	17	28
53-0000	Transportation & Material Moving Occupations	N/A	44,340	46,200	4.2%	186	2,341	3,376	5,903
53-1000	Supervisors - Transportation & Material Moving Workers	N/A	2,190	2,280	4.1%	9	76	146	231
53-1041	Aircraft Cargo Handling Supervisors	WK EXP	180	180	0.0%	0	6	12	18
53-1047	Supervisors - Transportation & Material Moving Workers	WK EXP	2,010	2,100	4.5%	8	70	135	213
53-2000	Air Transportation Workers	N/A	2,780	2,940	5.8%	16	124	203	343
53-2022	Airfield Operations Specialists	LT OJT	220	230	4.5%	1	6	14	21
53-3000	Motor Vehicle Operators	N/A	12,600	13,080	3.8%	47	723	724	1,494
53-3031	Driver/Sales Workers	ST OJT	1,600	1,670	4.4%	7	74	96	177
53-3032	Heavy & Tractor-Trailer Truck Drivers	PS	4,150	4,200	1.2%	5	189	244	438
53-3033	Light Truck or Delivery Services Drivers	ST OJT	3,630	3,690	1.7%	7	166	214	387
53-3051	Bus Drivers, School	ST OJT	990	1,050	6.1%	6	108	47	161
53-3052	Bus Drivers, Transit & Intercity	MT OJT	140	150	7.1%	2	12	7	21
53-3053	Shuttle Drivers & Chauffeurs	ST OJT	1,420	1,560	9.9%	14	128	75	217
53-3099	Motor Vehicle Operators, Other	ST OJT	320	330	3.1%	1	28	20	49
53-4013	Rail Yard Engineers, Dinkey Operators & Hostlers	MT OJT	10	10	0.0%	0	0	0	0

**Philadelphia County WDA
Occupational Employment
2022-2032 Long-Term Projections**

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2022	Projected 2032	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
53-4022	Railroad Brake/Signal/Switch Oprs & Locomotive Firers	MT OJT	60	60	0.0%	0	2	4	6
53-5011	Sailors & Marine Oilers	MT OJT	70	70	0.0%	0	3	4	7
53-5021	Captains, Mates & Pilots of Water Vessels	PS+	130	130	0.0%	-1	5	8	12
53-6000	Other Transportation Workers	N/A	1,460	1,550	6.2%	9	82	127	218
53-6021	Parking Lot Attendants	ST OJT	1,120	1,200	7.1%	8	63	102	173
53-6031	Automotive & Watercraft Service Attendants	ST OJT	100	110	10.0%	0	6	10	16
53-6041	Traffic Technicians	MT OJT	20	20	0.0%	0	1	1	2
53-6051	Transportation Inspectors	MT OJT	90	90	0.0%	0	3	5	8
53-7000	Material Moving Workers	N/A	24,200	25,250	4.3%	105	1,304	2,112	3,521
53-7021	Crane & Tower Operators	WK EXP	110	110	0.0%	0	4	6	10
53-7051	Industrial Truck & Tractor Operators	ST OJT	1,150	1,150	0.0%	0	37	74	111
53-7061	Cleaners of Vehicles & Equipment	ST OJT	1,050	1,050	0.0%	0	57	81	138
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	12,030	12,370	2.8%	35	582	991	1,608
53-7063	Machine Feeders & Offbearers	ST OJT	60	50	-16.7%	0	4	4	8
53-7064	Packers & Packagers, Hand	ST OJT	1,730	1,820	5.2%	8	106	146	260
53-7065	Stockers & Order Fillers	ST OJT	7,670	8,280	8.0%	61	496	781	1,338
53-7121	Tank Car, Truck & Ship Loaders	ST OJT	20	20	0.0%	0	1	1	2

FOOTNOTES:

Data may not add to totals due to rounding. Confidential data and occupations with employment less than 10 are not shown but are included in all sub-total and total employment values.

1/ Demand due to employment growth measures the numerical change in projected number of job gains or losses.

2/ Demand due to exits measure the projected number of workers leaving an occupation and exiting the workforce entirely.

3/ Demand due to transfers are the projected number of workers leaving an occupation and transferring to a different occupation.

4/ Total demand is the projected number of openings (positions) for workers entering the occupation. Defined as the sum of the demand due to growth, exits, and transfers.