

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
00-0000	Total, All Occupations	N/A	327,780	357,980	9.2%	3,019	14,966	22,806	40,791
11-0000	Management Occupations	N/A	14,470	16,110	11.3%	164	367	842	1,373
11-1000	Top Executives	N/A	5,360	5,800	8.2%	44	114	336	494
11-1011	Chief Executives	BD+	410	380	-7.3%	-2	11	16	25
11-1021	General & Operations Managers	BD+	4,850	5,310	9.5%	46	102	315	463
11-1031	Legislators	BD+	100	110	10.0%	1	2	5	8
11-2000	Advertising, Marketing, Promotions, Public Relations & Sales Managers	N/A	800	890	11.2%	9	17	53	79
11-2011	Advertising & Promotions Managers	BD+	10	10	0.0%	0	0	1	1
11-2021	Marketing Managers	BD+	260	290	11.5%	3	6	18	27
11-2022	Sales Managers	BD+	460	510	10.9%	5	10	30	45
11-2030	Public Relations & Fundraising Managers	BD+	70	80	14.3%	1	2	4	7
11-3000	Operations Specialties Managers	N/A	3,250	3,710	14.2%	46	72	183	301
11-3010	Administrative Services & Facilities Managers	BD+	430	470	9.3%	4	13	22	39
11-3021	Computer & Information Systems Managers	BD+	550	620	12.7%	7	10	33	50
11-3031	Financial Managers	BD+	830	1,010	21.7%	18	19	46	83
11-3051	Industrial Production Managers	BD+	480	510	6.2%	3	10	23	36
11-3061	Purchasing Managers	BD+	120	130	8.3%	1	3	7	11
11-3071	Transportation, Storage & Distribution Managers	WK EXP	520	600	15.4%	8	11	31	50
11-3111	Compensation & Benefits Managers	BD+	20	20	0.0%	0	0	1	1
11-3121	Human Resources Managers	BD+	260	290	11.5%	3	6	15	24
11-3131	Training & Development Managers	BD+	60	70	16.7%	1	1	4	6
11-9000	Other Management Occupations	N/A	5,070	5,710	12.6%	64	163	270	497
11-9013	Farmers, Ranchers & Other Agricultural Managers	WK EXP	590	600	1.7%	1	37	21	59
11-9021	Construction Managers	BD+	410	470	14.6%	6	9	22	37
11-9031	Education Admin., Preschool & Childcare Center/Program	BD+	140	150	7.1%	1	4	7	12
11-9032	Education Administrators, Elementary & Secondary School	MD+	460	500	8.7%	3	12	22	37
11-9033	Education Administrators, Postsecondary	MD+	280	300	7.1%	2	7	13	22
11-9039	Education Administrators, Other	BD+	60	70	16.7%	1	2	3	6
11-9041	Architectural & Engineering Managers	BD+	290	310	6.9%	2	5	15	22
11-9051	Food Service Managers	WK EXP	520	590	13.5%	6	17	44	67
11-9081	Lodging Managers	WK EXP	60	60	0.0%	-1	2	4	5
11-9111	Medical & Health Services Managers	BD+	790	1,090	38.0%	30	24	48	102
11-9121	Natural Sciences Managers	BD+	100	120	20.0%	2	2	5	9
11-9131	Postmasters & Mail Superintendents	WK EXP	40	30	-25.0%	0	1	2	3
11-9141	Property, Real Estate & Community Association Managers	WK EXP	500	520	4.0%	2	20	19	41

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
11-9151	Social & Community Service Managers	BD+	330	370	12.1%	4	10	19	33
11-9161	Emergency Management Directors	BD+	20	20	0.0%	0	1	1	2
11-9198	Misc. Personal Svc, Entertainment & Other Managers	BD+	460	500	8.7%	4	11	23	38
13-0000	Business & Financial Operations Occupations	N/A	12,630	13,910	10.1%	128	355	795	1,278
13-1000	Business Operations Specialists	N/A	8,210	9,140	11.3%	94	234	535	863
13-1020	Buyers & Purchasing Agents	BD+	740	720	-2.7%	-2	25	47	70
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	330	330	0.0%	0	8	17	25
13-1041	Compliance Officers	BD+	460	510	10.9%	4	12	26	42
13-1051	Cost Estimators	BD+	390	390	0.0%	1	11	24	36
13-1071	Human Resources Specialists	BD	1,190	1,300	9.2%	12	34	83	129
13-1075	Labor Relations Specialists	BD+	190	190	0.0%	0	5	12	17
13-1081	Logisticians	BD	390	520	33.3%	13	10	30	53
13-1111	Management Analysts	BD+	880	1,000	13.6%	12	30	54	96
13-1121	Meeting, Convention & Event Planners	BD	150	170	13.3%	2	5	12	19
13-1131	Fundraisers	BD	240	280	16.7%	4	8	16	28
13-1141	Compensation, Benefits & Job Analysis Specialists	BD+	150	160	6.7%	1	4	9	14
13-1151	Training & Development Specialists	BD+	610	690	13.1%	8	20	40	68
13-1161	Market Research Analysts & Marketing Specialists	BD	1,280	1,550	21.1%	27	34	103	164
13-1198	Project Mgmt & Other Business Oprs Specialists	BD	1,220	1,330	9.0%	12	30	63	105
13-2000	Financial Specialists	N/A	4,420	4,760	7.7%	34	121	260	415
13-2011	Accountants & Auditors	BD	2,630	2,840	8.0%	21	76	162	259
13-2020	Property Appraisers & Assessors	BD+	120	130	8.3%	1	5	5	11
13-2031	Budget Analysts	BD	60	70	16.7%	0	2	3	5
13-2041	Credit Analysts	BD	60	50	-16.7%	0	1	4	5
13-2052	Personal Financial Advisors	BD+	370	400	8.1%	3	9	19	31
13-2053	Insurance Underwriters	BD+	130	130	0.0%	0	3	7	10
13-2071	Credit Counselors	BD+	40	40	0.0%	0	1	2	3
13-2072	Loan Officers	BD+	360	390	8.3%	3	8	20	31
13-2081	Tax Examiners, Collectors & Revenue Agents	BD+	30	30	0.0%	0	1	2	3
13-2098	Financial, Investment & Risk Specialists, All Other	BD	480	530	10.4%	5	9	29	43
15-0000	Computer & Mathematical Occupations	N/A	5,970	6,780	13.6%	81	129	316	526
15-1200	Computer Occupations	N/A	5,750	6,490	12.9%	74	124	305	503
15-1211	Computer Systems Analysts	BD	600	660	10.0%	5	12	31	48
15-1212	Information Security Analysts	BD+	120	150	25.0%	4	2	7	13
15-1231	Computer Network Support Specialists	AD	480	540	12.5%	5	10	27	42

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
15-1232	Computer User Support Specialists	PS	1,170	1,270	8.5%	10	23	65	98
15-1241	Computer Network Architects	BD+	380	400	5.3%	2	5	18	25
15-1244	Network & Computer Systems Administrators	BD	440	470	6.8%	3	8	22	33
15-1245	Database Administrators & Architects	BD	240	260	8.3%	2	6	12	20
15-1251	Computer Programmers	BD	200	180	-10.0%	-1	4	9	12
15-1256	Software Developers & QA Analysts	BD	1,160	1,500	29.3%	34	31	65	130
15-1257	Web & Digital Interface Designers	BD	240	270	12.5%	2	6	12	20
15-1299	Computer Occupations, All Other	BD	720	800	11.1%	8	18	37	63
15-2000	Mathematical Scientists	N/A	220	290	31.8%	7	5	12	24
15-2011	Actuaries	BD+	20	30	50.0%	1	0	1	2
15-2031	Operations Research Analysts	BD	110	130	18.2%	2	2	5	9
15-2041	Statisticians	MD	60	90	50.0%	3	1	4	8
15-2098	Data Scientists & Math Science Workers, All Other	BD	40	50	25.0%	1	1	2	4
17-0000	Architecture & Engineering Occupations	N/A	5,160	5,550	7.6%	39	129	259	427
17-1000	Architects, Surveyors & Cartographers	N/A	250	250	0.0%	0	7	11	18
17-1011	Architects	BD+	140	150	7.1%	1	4	6	11
17-1022	Surveyors	BD+	60	60	0.0%	0	2	3	5
17-2000	Engineers	N/A	3,350	3,730	11.3%	38	74	149	261
17-2041	Chemical Engineers	BD	50	60	20.0%	1	1	2	4
17-2051	Civil Engineers	BD	510	560	9.8%	4	11	27	42
17-2061	Computer Hardware Engineers	BD	100	100	0.0%	0	2	5	7
17-2071	Electrical Engineers	BD	630	720	14.3%	8	16	27	51
17-2072	Electronics Engineers	BD	280	320	14.3%	4	7	12	23
17-2081	Environmental Engineers	BD	20	20	0.0%	0	0	1	1
17-2111	Health & Safety Engineers	BD	50	50	0.0%	0	1	2	3
17-2112	Industrial Engineers	BD	650	750	15.4%	10	15	28	53
17-2131	Materials Engineers	BD	70	80	14.3%	1	2	3	6
17-2141	Mechanical Engineers	BD	740	800	8.1%	6	13	32	51
17-2199	Engineers, Other	BD	210	230	9.5%	2	5	9	16
17-3000	Drafters, Engineering & Mapping Technicians	N/A	1,570	1,580	0.6%	1	48	100	149
17-3011	Architectural & Civil Drafters	AD	250	250	0.0%	0	8	16	24
17-3012	Electrical & Electronics Drafters	AD	100	100	0.0%	0	3	6	9
17-3013	Mechanical Drafters	AD	290	280	-3.4%	-2	9	18	25
17-3019	Drafters, Other	AD	10	10	0.0%	0	0	1	1
17-3022	Civil Engineering Technicians	AD	60	60	0.0%	0	2	3	5

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
17-3023	Electrical & Electronic Engineering Technicians	AD	260	260	0.0%	0	8	16	24
17-3026	Industrial Engineering Technicians	AD	60	60	0.0%	0	2	4	6
17-3027	Mechanical Engineering Technicians	AD	180	190	5.6%	1	5	11	17
17-3031	Surveying & Mapping Technicians	MT OJT	70	70	0.0%	0	3	6	9
17-3098	Calibration & Engineering Techs, All Other	AD	270	280	3.7%	1	8	17	26
19-0000	Life, Physical & Social Science Occupations	N/A	2,060	2,300	11.7%	24	44	157	225
19-1000	Life Scientists	N/A	280	330	17.9%	6	5	20	31
19-1012	Food Scientists & Technologists	BD	30	30	0.0%	0	1	2	3
19-1022	Microbiologists	BD	20	20	0.0%	0	0	1	1
19-1031	Conservation Scientists	BD	40	40	0.0%	0	1	3	4
19-2000	Physical Scientists	N/A	540	600	11.1%	6	9	42	57
19-2031	Chemists	BD	300	330	10.0%	3	5	23	31
19-2032	Materials Scientists	BD	30	30	0.0%	0	0	2	2
19-2041	Environmental Scientists & Specialists	BD	120	130	8.3%	1	2	10	13
19-2042	Geoscientists	BD	40	40	0.0%	0	1	3	4
19-3000	Social Scientists & Related Workers	N/A	290	300	3.4%	2	7	13	22
19-3031	Clinical, Counseling & School Psychologists	DOCT	220	230	4.5%	1	6	9	16
19-3051	Urban & Regional Planners	MD	40	40	0.0%	0	1	3	4
19-4000	Life, Physical & Social Science Technicians	N/A	720	810	12.5%	9	17	72	98
19-4031	Chemical Technicians	AD+	270	300	11.1%	3	5	26	34
19-4042	Environmental Science & Protection Technicians	AD	110	120	9.1%	0	3	11	14
19-4061	Social Science Research Assistants	BD	50	50	0.0%	0	1	4	5
19-4099	Life, Physical & Social Science Technicians, Other	AD	60	70	16.7%	0	2	6	8
19-5000	Occupational Health & Safety Specialists & Technicians	N/A	240	260	8.3%	2	7	11	20
19-5011	Occupational Health & Safety Specialists	BD	210	240	14.3%	2	6	10	18
19-5012	Occupational Health & Safety Technicians	MT OJT	30	30	0.0%	0	1	1	2
21-0000	Community & Social Services Occupations	N/A	5,980	6,600	10.4%	62	212	402	676
21-1000	Counselors, Social Workers & Community Service Specialists	N/A	4,860	5,440	11.9%	58	163	329	550
21-1012	Educational, Guidance, School & Vocational Counselors	MD	520	560	7.7%	4	18	32	54
21-1015	Rehabilitation Counselors	MD	300	320	6.7%	2	10	18	30
21-1018	Substance Abuse, Behavioral Disorder, & Mental Health Counselors	BD	770	880	14.3%	11	27	49	87
21-1021	Child, Family & School Social Workers	BD	1,170	1,300	11.1%	13	35	78	126
21-1022	Healthcare Social Workers	MD+	260	300	15.4%	5	8	18	31
21-1023	Mental Health & Substance Abuse Social Workers	MD+	530	570	7.5%	4	16	35	55
21-1029	Social Workers, Other	BD	40	40	0.0%	0	1	3	4

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
21-1092	Probation Officers & Correctional Treatment Specialists	BD	160	170	6.2%	1	4	10	15
21-1093	Social & Human Service Assistants	ST OJT	770	880	14.3%	12	33	62	107
21-1094	Community Health Workers	ST OJT	110	130	18.2%	2	4	8	14
21-1099	Community & Social Service Specialists, Other	BD	50	60	20.0%	0	2	4	6
21-2000	Religious Workers	N/A	1,120	1,160	3.6%	4	49	73	126
21-2011	Clergy	BD+	620	650	4.8%	3	26	37	66
23-1000	Lawyers, Judges & Related Workers	N/A	670	710	6.0%	4	15	18	37
23-1011	Lawyers	DOCT	590	620	5.1%	3	13	15	31
23-2000	Legal Support Workers	N/A	600	600	0.0%	0	23	39	62
23-2011	Paralegals & Legal Assistants	AD	410	430	4.9%	2	16	28	46
25-0000	Education, Training & Library Occupations	N/A	17,320	18,830	8.7%	151	688	807	1,646
25-1000	Postsecondary Teachers	N/A	2,650	2,900	9.4%	26	124	129	279
25-1011	Business Teachers, Postsecondary	DOCT	180	190	5.6%	1	8	9	18
25-1021	Computer Science Teachers, Postsecondary	DOCT	100	110	10.0%	1	5	5	11
25-1022	Mathematical Science Teachers, Postsecondary	DOCT	130	140	7.7%	1	6	6	13
25-1042	Biological Science Teachers, Postsecondary	DOCT	140	160	14.3%	2	7	7	16
25-1051	Atmospheric, Earth, Marine & Space Sciences Teachers, Postsecondary	DOCT	30	30	0.0%	0	1	1	2
25-1052	Chemistry Teachers, Postsecondary	DOCT	70	80	14.3%	0	3	3	6
25-1054	Physics Teachers, Postsecondary	DOCT	50	50	0.0%	0	2	2	4
25-1061	Anthropology & Archeology Teachers, Postsecondary	DOCT	30	30	0.0%	0	1	1	2
25-1063	Economics Teachers, Postsecondary	DOCT	50	60	20.0%	0	2	2	4
25-1065	Political Science Teachers, Postsecondary	DOCT	60	60	0.0%	0	3	3	6
25-1066	Psychology Teachers, Postsecondary	DOCT	130	140	7.7%	1	6	6	13
25-1067	Sociology Teachers, Postsecondary	DOCT	50	60	20.0%	0	2	3	5
25-1071	Health Specialties Teachers, Postsecondary	DOCT	80	100	25.0%	2	4	4	10
25-1072	Nursing Instructors & Teachers, Postsecondary	DOCT	80	110	37.5%	2	4	4	10
25-1081	Education Teachers, Postsecondary	DOCT	110	120	9.1%	1	5	5	11
25-1082	Library Science Teachers, Postsecondary	DOCT	10	10	0.0%	0	0	0	0
25-1111	Criminal Justice & Law Enforcement Teachers, Postsecondary	DOCT	20	20	0.0%	0	1	1	2
25-1121	Art, Drama & Music Teachers, Postsecondary	MD	130	140	7.7%	1	6	6	13
25-1122	Communications Teachers, Postsecondary	DOCT	70	70	0.0%	0	3	3	6
25-1123	English Language & Literature Teachers, Postsecondary	DOCT	190	210	10.5%	2	9	9	20
25-1124	Foreign Language & Literature Teachers, Postsecondary	DOCT	120	130	8.3%	1	6	6	13
25-1125	History Teachers, Postsecondary	DOCT	80	80	0.0%	1	4	4	9
25-1126	Philosophy & Religion Teachers, Postsecondary	DOCT	90	100	11.1%	1	4	4	9

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
25-1194	Vocational Education Teachers, Postsecondary	BD+	90	100	11.1%	1	4	4	9
25-2000	Primary, Secondary & Special Education School Teachers	N/A	10,110	10,890	7.7%	79	322	443	844
25-2011	Preschool Teachers	AD	800	920	15.0%	12	35	50	97
25-2012	Kindergarten Teachers	BD	270	290	7.4%	2	11	16	29
25-2021	Elementary School Teachers	BD	3,260	3,490	7.1%	23	104	135	262
25-2022	Middle School Teachers	BD	1,150	1,230	7.0%	8	37	48	93
25-2023	Career/Technical Education Teachers, Middle School	BD+	70	70	0.0%	0	2	3	5
25-2031	Secondary School Teachers	BD	2,910	3,130	7.6%	21	80	122	223
25-2032	Career/Technical Education Teachers, Secondary School	BD+	430	450	4.7%	3	12	18	33
25-2052	Special Education Teachers, Kindergarten & Elementary School	BD	400	430	7.5%	3	14	17	34
25-2057	Special Education Teachers, Middle School	BD	210	230	9.5%	2	7	9	18
25-2058	Special Education Teachers, Secondary School	BD	590	630	6.8%	4	20	24	48
25-3000	Other Teachers & Instructors	N/A	1,280	1,500	17.2%	22	83	75	180
25-3011	Adult Basic & Secondary Education & Literacy Teachers	BD	30	30	0.0%	0	2	2	4
25-3021	Self-Enrichment Education Teachers	WK EXP	540	670	24.1%	13	36	32	81
25-3031	Substitute Teachers, Short-Term	BD	410	440	7.3%	4	25	23	52
25-3097	Teachers & Instructors, Other	BD	300	360	20.0%	6	20	18	44
25-4000	Librarians, Curators & Archivists	N/A	390	410	5.1%	2	23	20	45
25-4012	Curators	MD	20	30	50.0%	0	1	2	3
25-4022	Librarians & Media Collections Specialists	MD	240	260	8.3%	2	12	11	25
25-4031	Library Technicians	PS	90	90	0.0%	0	7	6	13
25-9000	Other Education, Training & Library Occupations	N/A	2,900	3,130	7.9%	22	136	140	298
25-9031	Instructional Coordinators	MD+	180	200	11.1%	2	10	8	20
25-9045	Teaching Assistants, Non-Postsecondary	PS	2,590	2,790	7.7%	19	120	126	265
27-0000	Arts, Design, Entertainment, Sports & Media Occupations	N/A	4,060	4,700	15.8%	65	179	285	529
27-1000	Art & Design Workers	N/A	1,150	1,230	7.0%	8	41	69	118
27-1011	Art Directors	BD+	160	180	12.5%	2	8	9	19
27-1021	Commercial & Industrial Designers	BD	50	50	0.0%	0	2	3	5
27-1022	Fashion Designers	BD	20	20	0.0%	0	1	1	2
27-1023	Floral Designers	MT OJT	60	60	0.0%	0	2	4	6
27-1024	Graphic Designers	BD	410	420	2.4%	1	13	25	39
27-1025	Interior Designers	BD	50	50	0.0%	0	2	3	5
27-1026	Merchandise Displayers & Window Trimmers	ST OJT	300	320	6.7%	2	9	18	29
27-2000	Entertainers & Performers, Sports & Related Workers	N/A	1,440	1,810	25.7%	37	89	118	244
27-2011	Actors	PS+	60	100	66.7%	3	3	5	11

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
27-2012	Producers & Directors	BD+	80	100	25.0%	2	2	5	9
27-2022	Coaches & Scouts	BD	640	820	28.1%	18	41	59	118
27-2023	Umpires, Referees & Other Sports Officials	MT OJT	60	80	33.3%	2	4	6	12
27-2041	Music Directors & Composers	BD+	100	110	10.0%	0	6	6	12
27-3000	Media & Communication Workers	N/A	820	870	6.1%	5	27	52	84
27-3011	Radio & Television Announcers	BD	70	70	0.0%	0	3	4	7
27-3031	Public Relations Specialists	BD	230	260	13.0%	3	6	16	25
27-3041	Editors	BD+	130	120	-7.7%	0	4	8	12
27-3042	Technical Writers	BD+	40	40	0.0%	0	1	3	4
27-3043	Writers & Authors	BD+	170	190	11.8%	2	7	10	19
27-3091	Interpreters & Translators	BD	40	40	0.0%	1	2	2	5
27-4000	Media & Communication Equipment Workers	N/A	640	790	23.4%	15	22	46	83
27-4021	Photographers	MT OJT	240	280	16.7%	4	9	15	28
27-4031	Camera Operators: TV, Video & Motion Picture	BD	150	170	13.3%	1	5	10	16
29-0000	Healthcare Practitioners & Technical Occupations	N/A	24,900	29,420	18.2%	452	674	787	1,913
29-1000	Health Diagnosing & Treating Practitioners	N/A	17,490	20,810	19.0%	332	451	450	1,233
29-1011	Chiropractors	DOCT	100	100	0.0%	0	1	1	2
29-1021	Dentists, General	DOCT	210	230	9.5%	2	4	2	8
29-1031	Dietitians & Nutritionists	BD+	240	280	16.7%	4	8	9	21
29-1041	Optometrists	DOCT	130	140	7.7%	1	2	2	5
29-1051	Pharmacists	DOCT	710	800	12.7%	8	14	14	36
29-1071	Physician Assistants	MD	430	580	34.9%	15	8	20	43
29-1081	Podiatrists	DOCT	40	40	0.0%	0	1	2	3
29-1122	Occupational Therapists	MD	340	390	14.7%	5	8	12	25
29-1123	Physical Therapists	DOCT	530	620	17.0%	10	11	12	33
29-1125	Recreational Therapists	BD	30	30	0.0%	0	1	1	2
29-1126	Respiratory Therapists	AD	410	570	39.0%	16	10	12	38
29-1127	Speech-Language Pathologists	MD+	470	610	29.8%	14	12	19	45
29-1141	Registered Nurses	BD	9,220	11,060	20.0%	183	270	255	708
29-1171	Nurse Practitioners	MD	400	640	60.0%	24	11	16	51
29-1215	Family Medicine Physicians	DOCT	50	50	0.0%	0	1	1	2
29-1223	Psychiatrists	DOCT	30	40	33.3%	0	1	0	1
29-1228	Physicians & Ophthalmologists, All Other	DOCT	2,110	2,390	13.3%	28	36	25	89
29-1292	Dental Hygienists	AD	520	590	13.5%	7	20	14	41
29-2000	Health Technologists & Technicians	N/A	7,260	8,440	16.3%	119	219	330	668

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
29-2010	Clinical Laboratory Technologists & Technicians	BD	970	1,190	22.7%	23	28	40	91
29-2031	Cardiovascular Technologists & Technicians	AD	410	500	22.0%	8	12	20	40
29-2033	Nuclear Medicine Technologists	AD	100	120	20.0%	2	3	5	10
29-2034	Radiologic Technologists	AD	690	830	20.3%	14	21	33	68
29-2035	Magnetic Resonance Imaging Technologists	AD+	140	160	14.3%	2	4	6	12
29-2040	Emergency Medical Technicians & Paramedics	PS	770	860	11.7%	10	15	38	63
29-2052	Pharmacy Technicians	MT OJT	850	990	16.5%	14	25	39	78
29-2055	Surgical Technologists	PS	280	340	21.4%	6	8	13	27
29-2057	Ophthalmic Medical Technicians	PS	70	80	14.3%	1	2	3	6
29-2061	Licensed Practical & Licensed Vocational Nurses	PS	1,560	1,730	10.9%	17	56	69	142
29-2081	Opticians, Dispensing	LT OJT	190	210	10.5%	2	8	7	17
29-2091	Orthotists & Prosthetists	MD+	10	10	0.0%	0	0	0	0
29-2098	Medical Dosimetrists, Records Specialists & Other Techs	PS	780	880	12.8%	10	23	36	69
29-9000	Other Healthcare Practitioners & Technical Occupations	N/A	150	170	13.3%	2	4	7	13
29-9091	Athletic Trainers	BD	80	100	25.0%	1	2	4	7
29-9098	Health Info Techs, Surgical Asst's & Other HC Workers	PS	60	70	16.7%	1	2	3	6
31-0000	Healthcare Support Occupations	N/A	17,410	20,940	20.3%	354	1,128	1,174	2,656
31-1100	Nursing, Psychiatric, & Home Health Aides	N/A	12,640	15,340	21.4%	269	896	792	1,957
31-1120	Home Health & Personal Care Aides	ST OJT	8,250	10,280	24.6%	203	593	524	1,320
31-1131	Nursing Assistants	PS	4,250	4,880	14.8%	63	292	258	613
31-1132	Orderlies	ST OJT	120	150	25.0%	3	8	7	18
31-1133	Psychiatric Aides	ST OJT	30	30	0.0%	0	2	2	4
31-2000	Occupational & Physical Therapist Assistants & Aides	N/A	410	520	26.8%	11	21	35	67
31-2011	Occupational Therapy Assistants	AD	120	140	16.7%	3	6	10	19
31-2021	Physical Therapist Assistants	AD	230	300	30.4%	8	11	20	39
31-9000	Other Healthcare Support Occupations	N/A	4,350	5,080	16.8%	73	212	347	632
31-9011	Massage Therapists	PS	330	390	18.2%	6	21	19	46
31-9091	Dental Assistants	PS	550	620	12.7%	7	27	41	75
31-9092	Medical Assistants	PS	2,210	2,580	16.7%	37	98	179	314
31-9095	Pharmacy Aides	ST OJT	200	190	-5.0%	-1	10	15	24
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	160	190	18.8%	3	8	19	30
31-9097	Phlebotomists	PS	580	770	32.8%	19	29	49	97
31-9099	Healthcare Support Workers, Other	ST OJT	40	50	25.0%	1	2	3	6
33-0000	Protective Service Occupations	N/A	5,650	6,260	10.8%	61	318	394	773
33-1000	Supervisors - Protective Service Workers	N/A	430	470	9.3%	4	13	22	39

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
33-1012	Supervisors - Police & Detectives	WK EXP	200	220	10.0%	1	5	9	15
33-1090	Supervisors - Protective Service Workers	WK EXP	180	200	11.1%	2	7	11	20
33-2000	Fire Fighting & Prevention Workers	N/A	290	320	10.3%	3	8	16	27
33-2011	Firefighters	PS+	240	260	8.3%	2	6	13	21
33-2021	Fire Inspectors & Investigators	PS+	50	60	20.0%	1	3	3	7
33-3000	Law Enforcement Workers	N/A	2,010	2,100	4.5%	9	57	105	171
33-3021	Detectives & Criminal Investigators	WK EXP	120	120	0.0%	1	3	6	10
33-3041	Parking Enforcement Workers	ST OJT	20	20	0.0%	-1	1	1	1
33-3051	Police & Sheriff's Patrol Officers	MT OJT	1,460	1,560	6.8%	10	38	77	125
33-9000	Other Protective Service Workers	N/A	2,920	3,370	15.4%	46	240	251	537
33-9032	Security Guards	ST OJT	2,080	2,360	13.5%	28	118	172	318
33-9091	Crossing Guards	ST OJT	310	350	12.9%	4	48	17	69
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	230	350	52.2%	11	40	32	83
33-9093	Transportation Security Screeners	ST OJT	20	20	0.0%	0	0	1	1
33-9098	School Bus Monitors & Other Protective Svc Workers	ST OJT	210	240	14.3%	3	32	25	60
35-0000	Food Preparation & Serving Related Occupations	N/A	22,710	26,570	17.0%	386	1,888	2,512	4,786
35-1000	Supervisors, Food Preparation & Serving Workers	N/A	2,130	2,500	17.4%	37	100	234	371
35-1011	Chefs & Head Cooks	WK EXP	200	240	20.0%	4	7	22	33
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	1,920	2,260	17.7%	33	93	213	339
35-2000	Cooks & Food Preparation Workers	N/A	4,530	5,500	21.4%	97	318	436	851
35-2012	Cooks, Institution & Cafeteria	ST OJT	920	1,020	10.9%	9	57	83	149
35-2014	Cooks, Restaurant	MT OJT	2,010	2,850	41.8%	84	143	208	435
35-2015	Cooks, Short Order	ST OJT	70	80	14.3%	2	4	6	12
35-2019	Cooks, Other	MT OJT	10	10	0.0%	0	0	1	1
35-2021	Food Preparation Workers	ST OJT	1,120	1,160	3.6%	3	90	105	198
35-3000	Food & Beverage Serving Workers	N/A	13,100	15,130	15.5%	203	1,180	1,543	2,926
35-3011	Bartenders	ST OJT	1,380	1,650	19.6%	27	69	184	280
35-3023	Fast Food & Counter Workers	ST OJT	7,160	8,230	14.9%	107	746	814	1,667
35-3031	Waiters & Waitresses	ST OJT	3,700	4,220	14.1%	52	291	473	816
35-3041	Food Servers, Nonrestaurant	ST OJT	860	1,030	19.8%	17	74	73	164
35-9000	Other Food Preparation & Serving Related Workers	N/A	2,960	3,460	16.9%	50	290	298	638
35-9021	Dishwashers	ST OJT	1,360	1,550	14.0%	18	109	122	249
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	840	1,000	19.0%	16	109	104	229
37-0000	Building & Grounds Cleaning & Maintenance Occupations	N/A	11,280	12,110	7.4%	84	674	847	1,605
37-1000	Supervisors of Building & Grounds Cleaning & Maintenance Workers	N/A	720	760	5.6%	4	28	52	84

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
37-2000	Building Cleaning & Pest Control Workers	N/A	8,090	8,670	7.2%	58	535	575	1,168
37-2011	Janitors & Cleaners	ST OJT	5,510	5,880	6.7%	37	355	399	791
37-2012	Maids & Housekeeping Cleaners	ST OJT	2,530	2,730	7.9%	20	178	169	367
37-2021	Pest Control Workers	MT OJT	60	70	16.7%	1	2	7	10
37-3000	Grounds Maintenance Workers	N/A	2,460	2,680	8.9%	22	111	220	353
37-3011	Landscaping & Groundskeeping Workers	ST OJT	2,350	2,560	8.9%	21	106	210	337
39-0000	Personal Care & Service Occupations	N/A	10,320	11,960	15.9%	164	698	862	1,724
39-1000	Supervisors, Personal Care & Service Workers	N/A	830	960	15.7%	14	33	62	109
39-2000	Animal Care & Service Workers	N/A	860	1,030	19.8%	17	60	78	155
39-2011	Animal Trainers	MT OJT	50	60	20.0%	1	2	4	7
39-2021	Nonfarm Animal Caretakers	ST OJT	820	970	18.3%	16	57	74	147
39-3000	Entertainment Attendants & Related Workers	N/A	1,430	1,930	35.0%	50	155	178	383
39-3031	Ushers, Lobby Attendants & Ticket Takers	ST OJT	180	320	77.8%	13	32	25	70
39-3091	Amusement & Recreation Attendants	ST OJT	740	1,070	44.6%	33	88	101	222
39-3093	Locker Room, Coatroom & Dressing Room Attendants	ST OJT	110	130	18.2%	2	12	13	27
39-4000	Funeral Service Workers	N/A	250	270	8.0%	1	14	19	34
39-4021	Funeral Attendants	ST OJT	140	150	7.1%	1	8	11	20
39-5000	Personal Appearance Workers	N/A	2,320	2,570	10.8%	26	128	133	287
39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	1,400	1,530	9.3%	13	78	81	172
39-5092	Manicurists & Pedicurists	PS	690	790	14.5%	10	38	39	87
39-6000	Transportation, Tourism & Lodging Attendants	N/A	60	60	0.0%	0	3	4	7
39-7000	Tour & Travel Guides	N/A	60	70	16.7%	0	4	6	10
39-7010	Tour & Travel Guides	MT OJT	60	70	16.7%	0	4	6	10
39-9000	Other Personal Care & Service Workers	N/A	4,510	5,070	12.4%	56	302	382	740
39-9011	Childcare Workers	ST OJT	2,750	2,900	5.5%	16	190	197	403
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	650	910	40.0%	26	46	74	146
39-9032	Recreation Workers	ST OJT	790	890	12.7%	10	49	80	139
41-0000	Sales & Related Occupations	N/A	27,830	28,830	3.6%	100	1,493	2,261	3,854
41-1000	Supervisors - Sales Workers	N/A	4,120	4,120	0.0%	0	140	277	417
41-1011	Supervisors - Retail Sales Workers	WK EXP	3,300	3,310	0.3%	1	117	229	347
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	820	810	-1.2%	-1	24	49	72
41-2000	Retail Sales Workers	N/A	15,840	16,220	2.4%	38	1,102	1,412	2,552
41-2011	Cashiers	ST OJT	7,560	7,540	-0.3%	-2	642	723	1,363
41-2022	Parts Salespersons	MT OJT	600	600	0.0%	1	25	46	72
41-2031	Retail Salespersons	ST OJT	7,080	7,420	4.8%	34	405	599	1,038

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
41-3000	Sales Representatives, Services	N/A	3,360	3,760	11.9%	40	100	264	404
41-3011	Advertising Sales Agents	MT OJT	150	140	-6.7%	-1	4	14	17
41-3021	Insurance Sales Agents	MT OJT	1,060	1,220	15.1%	16	38	64	118
41-3031	Securities, Commodities & Financial Services Sales Agents	BD+	450	500	11.1%	6	10	30	46
41-3041	Travel Agents	MT OJT	80	80	0.0%	0	4	5	9
41-3091	Sales Representatives - Services	MT OJT	1,620	1,810	11.7%	19	43	151	213
41-4000	Sales Representatives, Wholesale & Manufacturing	N/A	3,480	3,640	4.6%	16	105	241	362
41-4011	Sales Representatives, Technical & Scientific Products	BD+	180	190	5.6%	1	5	12	18
41-4012	Sales Representatives	MT OJT	3,310	3,450	4.2%	15	100	228	343
41-9000	Other Sales & Related Workers	N/A	1,030	1,090	5.8%	6	45	67	118
41-9022	Real Estate Sales Agents	MT OJT	540	580	7.4%	4	23	25	52
41-9031	Sales Engineers	BD+	170	180	5.9%	1	4	14	19
41-9041	Telemarketers	ST OJT	170	160	-5.9%	-1	8	17	24
43-0000	Office & Administrative Support Occupations	N/A	43,530	43,210	-0.7%	-32	2,053	2,693	4,714
43-1000	Supervisors - Office & Administrative Support Workers	N/A	3,470	3,540	2.0%	7	130	214	351
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	3,470	3,540	2.0%	7	130	214	351
43-2000	Communications Equipment Operators	N/A	190	140	-26.3%	-4	8	10	14
43-2011	Switchboard Operators	ST OJT	170	130	-23.5%	-4	8	9	13
43-3000	Financial Clerks	N/A	5,970	5,820	-2.5%	-14	290	335	611
43-3011	Bill & Account Collectors	MT OJT	290	300	3.4%	1	11	21	33
43-3021	Billing & Posting Clerks	MT OJT	1,230	1,250	1.6%	2	51	76	129
43-3031	Bookkeeping, Accounting & Auditing Clerks	PS+	2,790	2,750	-1.4%	-4	162	141	299
43-3051	Payroll & Timekeeping Clerks	MT OJT	430	370	-14.0%	-5	19	22	36
43-3061	Procurement Clerks	MT OJT	90	90	0.0%	0	2	6	8
43-3071	Tellers	ST OJT	1,130	1,060	-6.2%	-7	44	69	106
43-4000	Information & Record Clerks	N/A	12,210	12,240	0.2%	4	599	902	1,505
43-4011	Brokerage Clerks	MT OJT	50	50	0.0%	0	2	3	5
43-4021	Correspondence Clerks	ST OJT	30	30	0.0%	0	1	2	3
43-4031	Court, Municipal & License Clerks	LT OJT	100	100	0.0%	1	5	5	11
43-4051	Customer Service Representatives	ST OJT	7,020	7,010	-0.1%	-1	330	552	881
43-4061	Eligibility Interviewers, Government Programs	MT OJT	220	240	9.1%	1	8	12	21
43-4071	File Clerks	ST OJT	200	170	-15.0%	-3	10	12	19
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	240	210	-12.5%	-3	13	24	34
43-4111	Interviewers	ST OJT	550	540	-1.8%	-1	31	35	65
43-4121	Library Assistants, Clerical	ST OJT	180	190	5.6%	1	17	12	30

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
43-4131	Loan Interviewers & Clerks	ST OJT	280	280	0.0%	0	8	16	24
43-4151	Order Clerks	PS	220	190	-13.6%	-2	9	13	20
43-4161	Human Resources Assistants	AD	310	310	0.0%	0	12	19	31
43-4171	Receptionists & Information Clerks	ST OJT	2,450	2,540	3.7%	9	139	172	320
43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	ST OJT	220	240	9.1%	3	9	16	28
43-4199	Information & Record Clerks, Other	ST OJT	80	80	0.0%	1	3	5	9
43-5000	Material Recording, Scheduling, Dispatching & Distributing Workers	N/A	6,570	6,730	2.4%	16	249	364	629
43-5011	Cargo & Freight Agents	ST OJT	50	50	0.0%	0	2	3	5
43-5021	Couriers & Messengers	ST OJT	210	220	4.8%	0	9	12	21
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	160	170	6.2%	1	6	9	16
43-5032	Dispatchers	MT OJT	300	310	3.3%	2	11	17	30
43-5041	Meter Readers, Utilities	ST OJT	70	70	0.0%	0	2	3	5
43-5051	Postal Service Clerks	ST OJT	160	150	-6.2%	0	7	6	13
43-5052	Postal Service Mail Carriers	ST OJT	760	730	-3.9%	-3	26	27	50
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	ST OJT	360	330	-8.3%	-3	19	11	27
43-5061	Production, Planning & Expediting Clerks	MT OJT	1,100	1,220	10.9%	12	41	75	128
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	3,030	3,020	-0.3%	-1	110	178	287
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	380	460	21.1%	8	16	24	48
43-6000	Secretaries & Administrative Assistants	N/A	6,150	5,850	-4.9%	-30	306	335	611
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	570	460	-19.3%	-10	26	29	45
43-6012	Legal Secretaries	MT OJT	120	90	-25.0%	-3	5	6	8
43-6013	Medical Secretaries	MT OJT	940	1,030	9.6%	8	50	55	113
43-6014	Secretaries	ST OJT	4,520	4,280	-5.3%	-24	224	246	446
43-9000	Other Office & Administrative Support Workers	N/A	8,980	8,870	-1.2%	-11	471	533	993
43-9021	Data Entry Keyers	ST OJT	260	210	-19.2%	-5	10	15	20
43-9022	Word Processors & Typists	ST OJT	150	100	-33.3%	-5	8	7	10
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	500	500	0.0%	0	18	29	47
43-9061	Office Clerks, General	ST OJT	7,250	7,190	-0.8%	-6	394	428	816
43-9199	Office & Administrative Support Workers, Other	ST OJT	180	190	5.6%	1	8	13	22
45-2021	Animal Breeders	ST OJT	10	10	0.0%	0	0	1	1
45-2041	Graders & Sorters, Agricultural Products	ST OJT	20	20	0.0%	0	1	2	3
45-2091	Agricultural Equipment Operators	MT OJT	80	90	12.5%	1	4	10	15
47-0000	Construction & Extraction Occupations	N/A	10,120	10,770	6.4%	65	316	702	1,083
47-1000	Supervisors - Construction & Extraction Workers	N/A	950	1,020	7.4%	7	28	64	99
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	950	1,020	7.4%	7	28	64	99

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
47-2000	Construction Trades Workers	N/A	7,750	8,280	6.8%	53	234	532	819
47-2031	Carpenters	LT OJT	1,750	1,810	3.4%	6	52	111	169
47-2044	Tile & Marble Setters	LT OJT	90	100	11.1%	1	2	6	9
47-2051	Cement Masons & Concrete Finishers	MT OJT	130	130	0.0%	0	3	8	11
47-2061	Construction Laborers	ST OJT	2,040	2,230	9.3%	20	63	144	227
47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	80	90	12.5%	0	3	6	9
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	670	700	4.5%	3	22	49	74
47-2111	Electricians	LT OJT	890	990	11.2%	10	27	69	106
47-2121	Glaziers	LT OJT	20	20	0.0%	0	0	2	2
47-2141	Painters, Construction & Maintenance	MT OJT	570	610	7.0%	4	18	33	55
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	350	380	8.6%	3	11	26	40
47-2181	Roofers	MT OJT	250	270	8.0%	2	6	18	26
47-2211	Sheet Metal Workers	LT OJT	210	220	4.8%	1	6	14	21
47-2221	Structural Iron & Steel Workers	LT OJT	150	160	6.7%	1	4	12	17
47-3000	Helpers, Construction Trades	N/A	270	270	0.0%	0	8	24	32
47-3013	Helpers--Electricians	ST OJT	160	160	0.0%	0	5	14	19
47-4000	Other Construction & Related Workers	N/A	1,000	1,050	5.0%	4	42	70	116
47-4011	Construction & Building Inspectors	WK EXP	220	210	-4.5%	-1	12	13	24
47-4041	Hazardous Materials Removal Workers	MT OJT	200	210	5.0%	2	8	17	27
47-4051	Highway Maintenance Workers	MT OJT	460	490	6.5%	3	19	30	52
47-4061	Rail-Track Laying & Maintenance Equipment Operators	MT OJT	20	20	0.0%	0	0	1	1
47-5000	Extraction Workers	N/A	150	160	6.7%	1	5	14	20
47-5097	Earth Drillers, Explosives Workers & Ordnance Handlers	WK EXP	50	50	0.0%	0	2	4	6
49-0000	Installation, Maintenance & Repair Occupations	N/A	13,620	14,820	8.8%	120	448	895	1,463
49-1000	Supervisors - Installation, Maintenance & Repair Workers	N/A	1,190	1,280	7.6%	9	36	74	119
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	1,190	1,280	7.6%	9	36	74	119
49-2000	Electrical & Electronic Equipment Mechanics, Installers & Repairers	N/A	1,240	1,370	10.5%	13	40	94	147
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	100	100	0.0%	0	3	8	11
49-2093	Electrical & Electronics Installers & Repairers, Transportation Equipment	PS+	10	10	0.0%	0	0	1	1
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	PS+	130	130	0.0%	0	4	6	10
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation & Relay	PS+	40	40	0.0%	0	1	2	3
49-2098	Security & Fire Alarm Systems Installers	MT OJT	290	320	10.3%	4	7	23	34
49-3000	Vehicle & Mobile Equipment Mechanics, Installers	N/A	3,990	4,160	4.3%	17	124	267	408
49-3011	Aircraft Mechanics & Service Technicians	PS	150	180	20.0%	3	5	9	17
49-3021	Automotive Body & Related Repairers	LT OJT	350	370	5.7%	2	11	21	34

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
49-3023	Automotive Service Technicians & Mechanics	PS	2,080	2,060	-1.0%	-2	62	140	200
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	890	980	10.1%	8	26	58	92
49-3042	Mobile Heavy Equipment Mechanics	LT OJT	140	150	7.1%	1	4	10	15
49-3093	Tire Repairers & Changers	ST OJT	50	60	20.0%	1	2	4	7
49-9000	Other Installation, Maintenance & Repair Occupations	N/A	7,200	8,000	11.1%	80	249	460	789
49-9012	Control & Valve Installers & Repairers	MT OJT	50	50	0.0%	0	1	3	4
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS+	850	910	7.1%	6	22	60	88
49-9041	Industrial Machinery Mechanics	LT OJT	1,250	1,540	23.2%	29	43	75	147
49-9043	Maintenance Workers, Machinery	LT OJT	80	90	12.5%	1	3	5	9
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	190	210	10.5%	1	4	14	19
49-9052	Telecommunications Line Installers & Repairers	LT OJT	200	220	10.0%	2	5	18	25
49-9071	Maintenance & Repair Workers, General	MT OJT	3,650	4,000	9.6%	35	135	223	393
49-9091	Coin, Vending & Amusement Machine Servicers & Repairers	ST OJT	60	60	0.0%	0	3	5	8
49-9098	Helpers--Installation, Maintenance & Repair Workers	ST OJT	180	190	5.6%	1	8	16	25
49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	250	260	4.0%	1	9	17	27
51-0000	Production Occupations	N/A	24,030	24,030	0.0%	0	904	1,694	2,598
51-1000	Supervisors - Production Workers	N/A	1,830	1,950	6.6%	12	57	127	196
51-1011	Supervisors - Production & Operating Workers	WK EXP	1,830	1,950	6.6%	12	57	127	196
51-2000	Assemblers & Fabricators	N/A	5,790	5,470	-5.5%	-32	213	398	579
51-2028	Electrical, Electronic, & Electromechanical Assemblers	MT OJT	800	810	1.2%	2	32	51	85
51-2090	Misc. Assemblers & Fabricators	MT OJT	4,760	4,450	-6.5%	-31	176	329	474
51-3000	Food Processing Workers	N/A	1,230	1,300	5.7%	8	62	94	164
51-3011	Bakers	LT OJT	540	590	9.3%	5	31	42	78
51-3021	Butchers & Meat Cutters	LT OJT	150	160	6.7%	1	6	12	19
51-3022	Meat, Poultry & Fish Cutters & Trimmers	ST OJT	40	40	0.0%	0	2	3	5
51-3092	Food Batchmakers	MT OJT	400	410	2.5%	1	19	30	50
51-4000	Metal Workers & Plastic Workers	N/A	4,380	4,430	1.1%	5	142	306	453
51-4021	Extruding & Drawing Machine Operators	MT OJT	270	250	-7.4%	-2	9	16	23
51-4031	Cutting, Punching & Press Machine Operators	MT OJT	310	300	-3.2%	-1	10	21	30
51-4041	Machinists	LT OJT	620	670	8.1%	5	22	44	71
51-4051	Metal-Refining Furnace Operators	MT OJT	50	50	0.0%	0	1	4	5
51-4072	Molding, Coremaking & Casting Machine Operators	MT OJT	800	770	-3.8%	-4	26	53	75
51-4081	Multiple Machine Tool Operators	MT OJT	160	160	0.0%	0	5	11	16
51-4111	Tool & Die Makers	PS+	260	280	7.7%	2	10	17	29
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	790	860	8.9%	6	22	65	93

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
51-4193	Plating & Coating Machine Operators	MT OJT	80	80	0.0%	0	3	5	8
51-5100	Printing Workers	N/A	300	300	0.0%	0	12	21	33
51-5112	Printing Press Operators	MT OJT	240	240	0.0%	0	9	17	26
51-6000	Textile, Apparel & Furnishings Workers	N/A	1,240	1,270	2.4%	3	75	76	154
51-6011	Laundry & Dry-Cleaning Workers	ST OJT	490	560	14.3%	6	34	35	75
51-6031	Sewing Machine Operators	ST OJT	450	420	-6.7%	-3	26	23	46
51-6093	Upholsterers	MT OJT	40	40	0.0%	0	1	2	3
51-7000	Woodworkers	N/A	610	680	11.5%	7	24	43	74
51-7011	Cabinetmakers & Bench Carpenters	MT OJT	240	270	12.5%	3	10	14	27
51-7042	Woodworking Machine Operators	MT OJT	170	190	11.8%	2	5	13	20
51-8000	Plant & System Operators	N/A	770	750	-2.6%	-1	24	50	73
51-8021	Stationary Engineers & Boiler Operators	LT OJT	150	160	6.7%	2	8	11	21
51-8031	Water & Wastewater Treatment Plant & System Operators	LT OJT	430	410	-4.7%	-1	12	26	37
51-9000	Other Production Occupations	N/A	7,880	7,870	-0.1%	-1	295	579	873
51-9011	Chemical Equipment Operators	MT OJT	490	470	-4.1%	-2	11	37	46
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Operators	MT OJT	60	70	16.7%	0	1	5	6
51-9021	Crushing, Grinding & Polishing Machine Operators	MT OJT	50	50	0.0%	0	2	3	5
51-9022	Grinding & Polishing Workers, Hand	MT OJT	60	50	-16.7%	-1	2	4	5
51-9023	Mixing & Blending Machine Operators	MT OJT	520	540	3.8%	2	18	40	60
51-9032	Cutting & Slicing Machine Operators	MT OJT	90	90	0.0%	0	4	7	11
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	1,370	1,200	-12.4%	-16	49	102	135
51-9083	Ophthalmic Laboratory Technicians	MT OJT	60	70	16.7%	1	3	5	9
51-9111	Packaging & Filling Machine Operators	MT OJT	2,370	2,440	3.0%	8	99	160	267
51-9124	Coating, Painting & Spraying Machine Setters/Oprs/Tenders	MT OJT	370	390	5.4%	2	10	27	39
51-9141	Semiconductor Processors	MT OJT	220	220	0.0%	0	8	16	24
51-9151	Photographic Process Workers & Processing Machine Operators	ST OJT	20	30	50.0%	1	1	2	4
51-9161	CNC Tool Operators	MT OJT	400	390	-2.5%	-1	14	29	42
51-9162	CNC Tool Programmers	PS+	50	70	40.0%	1	2	4	7
51-9191	Adhesive Bonding Machine Operators	MT OJT	50	50	0.0%	0	3	4	7
51-9195	Molders, Shapers & Casters	LT OJT	120	150	25.0%	4	5	9	18
51-9196	Paper Goods Machine Operators	MT OJT	310	320	3.2%	0	14	21	35
51-9198	Helpers--Production Workers	ST OJT	470	440	-6.4%	-3	21	43	61
51-9199	Production Workers, Other	MT OJT	420	430	2.4%	1	14	31	46
53-0000	Transportation & Material Moving Occupations	N/A	46,230	51,660	11.7%	543	2,177	3,918	6,638
53-1000	Supervisors - Transportation & Material Moving Workers	N/A	2,200	2,430	10.5%	24	84	160	268

Allentown-Bethlehem-Easton MSA (PA Counties Only)
Occupational Employment
2020-2030 Long-Term Projections

SOC Code	Occupational Title	Educ. Level	Employment Outlook			Annual Demand			
			Estimated 2020	Projected 2030	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
53-1041	Aircraft Cargo Handling Supervisors	WK EXP	40	50	25.0%	1	2	3	6
53-1047	Supervisors - Transportation & Material Moving Workers	WK EXP	2,150	2,380	10.7%	23	83	157	263
53-3000	Motor Vehicle Operators	N/A	12,340	13,910	12.7%	157	602	846	1,605
53-3031	Driver/Sales Workers	ST OJT	620	740	19.4%	12	28	46	86
53-3032	Heavy & Tractor-Trailer Truck Drivers	PS	6,340	6,920	9.1%	58	271	449	778
53-3033	Light Truck or Delivery Services Drivers	ST OJT	3,030	3,350	10.6%	32	130	216	378
53-3052	Bus Drivers, Transit & Intercity	MT OJT	490	580	18.4%	9	35	27	71
53-3058	Passenger Vehicle Drivers	ST OJT	1,620	2,060	27.2%	44	121	92	257
53-4011	Locomotive Engineers	WK EXP	40	40	0.0%	0	1	2	3
53-6000	Other Transportation Workers	N/A	270	300	11.1%	2	13	27	42
53-6021	Parking Lot Attendants	ST OJT	170	190	11.8%	2	9	18	29
53-6031	Automotive & Watercraft Service Attendants	ST OJT	40	50	25.0%	0	2	4	6
53-6051	Transportation Inspectors	MT OJT	30	30	0.0%	0	1	2	3
53-7000	Material Moving Workers	N/A	31,200	34,790	11.5%	359	1,471	2,870	4,700
53-7011	Conveyor Operators	ST OJT	150	170	13.3%	2	5	13	20
53-7021	Crane & Tower Operators	WK EXP	50	50	0.0%	0	1	4	5
53-7051	Industrial Truck & Tractor Operators	ST OJT	6,660	7,500	12.6%	84	213	544	841
53-7061	Cleaners of Vehicles & Equipment	ST OJT	560	610	8.9%	5	29	52	86
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	14,760	16,190	9.7%	144	677	1,346	2,167
53-7064	Packers & Packagers, Hand	ST OJT	1,530	1,590	3.9%	6	89	126	221
53-7065	Stockers & Order Fillers	ST OJT	7,160	8,300	15.9%	114	440	754	1,308
53-7081	Refuse & Recyclable Material Collectors	ST OJT	170	190	11.8%	2	8	16	26

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.