

District of Columbia															
Long-Term Occupational Projections															
2020 - 2030															
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		2020	2030	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
00-0000	Total, All Occupations	756,899	854,653	97,754	12.9	1.2	28,946	47,811	9,775	86,532	\$95,330	\$79,650			
11-0000	Management Occupations	105,574	112,546	6,972	6.6	0.6	2,448	5,925	697	9,070	\$157,660	\$149,620			
11-1000	Top Executives	32,006	34,269	2,263	7.1	0.7	682	1,996	226	2,904	N/A	N/A			
11-1011	Chief Executives	2,747	2,609	-138	-5.0	-0.5	73	108	-14	167	\$253,820	N/A	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	29,234	31,633	2,399	8.2	0.8	608	1,887	240	2,735	\$159,000	\$149,630	Bachelor's degree	5 years or more	None
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Management	10,007	11,380	1,373	13.7	1.3	252	634	137	1,023	N/A	N/A			
11-2011	Advertising and Promotions Managers	105	115	10	9.5	0.9	2	8	1	11	\$131,050	\$115,550	Bachelor's degree	Less than 5 years	None
11-2021	Marketing Managers	2,577	2,873	296	11.5	1.1	54	172	30	256	\$169,320	\$158,450	Bachelor's degree	5 years or more	None
11-2022	Sales Managers	1,074	1,282	208	19.4	1.8	24	74	21	119	\$143,290	\$127,550	Bachelor's degree	Less than 5 years	None
11-2030	Public Relations and Fundraising Managers	6,251	7,110	859	13.7	1.3	172	379	86	637	\$204,270	\$183,900	Bachelor's degree	5 years or more	None
11-3000	Operations Specialties Managers	19,343	20,262	919	4.8	0.5	404	1,052	92	1,548	N/A	N/A			
11-3010	Administrative Services and Facilities Managers	1,441	1,516	75	5.2	0.5	42	74	8	124	\$123,850	\$116,340	Bachelor's degree	Less than 5 years	None
11-3021	Computer and Information Systems Managers	4,760	4,913	153	3.2	0.3	78	275	15	368	\$172,210	\$170,790	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	8,148	8,730	582	7.1	0.7	173	424	58	655	\$177,920	\$161,720	Bachelor's degree	5 years or more	None
11-3051	Industrial Production Managers	51	57	6	11.8	1.1	1	2	1	4	\$108,730	\$99,620	Bachelor's degree	5 years or more	None
11-3061	Purchasing Managers	2,226	2,174	-52	-2.3	-0.2	48	119	-5	162	\$148,660	\$145,670	Bachelor's degree	5 years or more	None
11-3071	Transportation, Storage, and Distribution Managers	534	546	12	2.3	0.2	10	30	1	41	\$143,510	\$149,650	High school diploma or equivalent	5 years or more	None
11-3111	Compensation and Benefits Managers	117	119	2	1.7	0.2	2	6	0	8	\$145,920	\$138,070	Bachelor's degree	5 years or more	None
11-3121	Human Resources Managers	1,843	1,940	97	5.3	0.5	44	106	10	160	\$167,190	\$163,090	Bachelor's degree	5 years or more	None
11-3131	Training and Development Managers	223	267	44	19.7	1.8	5	16	4	25	\$126,120	\$122,800	Bachelor's degree	5 years or more	None
11-9000	Other Management Occupations	44,218	46,635	2,417	5.5	0.5	1,110	2,243	242	3,595	N/A	N/A			
11-9021	Construction Managers	1,980	2,350	370	18.7	1.7	45	110	37	192	\$105,120	\$103,370	Bachelor's degree	None	Moderate-term on-the-job training
11-9031	Education Administrators, Preschool and Childcare Center/Program	460	488	28	6.1	0.6	12	22	3	37	\$62,260	\$40,920	Bachelor's degree	Less than 5 years	None
11-9032	Education Administrators, Elementary and Secondary School	1,304	1,523	219	16.8	1.6	35	66	22	123	\$114,990	\$112,750	Master's degree	5 years or more	None
11-9033	Education Administrators, Postsecondary	1,533	1,681	148	9.7	0.9	40	75	15	130	\$127,140	\$103,400	Master's degree	Less than 5 years	None
11-9039	Education Administrators, All Other	1,146	1,237	91	7.9	0.8	30	55	9	94	\$118,150	\$118,270	Bachelor's degree	Less than 5 years	None
11-9041	Architectural and Engineering Managers	1,648	1,616	-32	-1.9	-0.2	29	83	-3	109	\$158,300	\$157,710	Bachelor's degree	5 years or more	None
11-9051	Food Service Managers	992	2,007	1,015	102.3	7.3	46	120	102	268	\$75,920	\$65,720	High school diploma or equivalent	Less than 5 years	None
11-9081	Lodging Managers	89	158	69	77.5	5.9	5	8	7	20	\$116,140	\$101,600	High school diploma or equivalent	Less than 5 years	None
11-9111	Medical and Health Services Managers	1,694	2,147	453	26.7	2.4	48	98	45	191	\$157,590	\$140,600	Bachelor's degree	Less than 5 years	None
11-9121	Natural Sciences Managers	1,473	1,499	26	1.8	0.2	29	73	3	105	\$142,560	\$145,540	Bachelor's degree	5 years or more	None
11-9141	Property, Real Estate, and Community Association Managers	2,893	2,970	77	2.7	0.3	111	111	8	230	\$90,210	\$75,110	High school diploma or equivalent	Less than 5 years	None
11-9151	Social and Community Service Managers	662	736	74	11.2	1.1	21	37	7	65	\$105,560	\$100,670	Bachelor's degree	Less than 5 years	None
11-9161	Emergency Management Directors	241	248	7	2.9	0.3	9	11	1	21	\$126,400	\$147,320	Bachelor's degree	5 years or more	None
11-9198	Personal Service Managers; Entertainment & Recreation Managers, Ex	28,068	27,927	-141	-0.5	-0.1	649	1,373	-14	2,008	\$155,020	\$149,620	Bachelor's degree	Less than 5 years	None
13-0000	Business and Financial Operations Occupations	130,862	139,950	9,088	6.9	0.7	3,517	7,508	909	12,034	\$103,290	\$99,000			
13-1000	Business Operations Specialists	106,438	114,116	7,678	7.2	0.7	2,909	6,184	768	9,861	N/A	N/A			
13-1020	Buyers and Purchasing Agents	3,274	2,924	-350	-10.7	-1.1	105	199	-35	269	\$105,020	\$104,290	Bachelor's degree	None	Moderate-term on-the-job training
13-1031	Claims Adjusters, Examiners, and Investigators	578	521	-57	-9.9	-1.0	13	29	-6	36	\$89,830	\$89,220	High school diploma or equivalent	None	Long-term on-the-job training
13-1041	Compliance Officers	4,719	4,869	150	3.2	0.3	116	255	15	386	\$96,700	\$94,960	Bachelor's degree	None	Moderate-term on-the-job training
13-1051	Cost Estimators	386	367	-19	-4.9	-0.5	11	24	1	36	\$104,840	\$111,180	Bachelor's degree	None	Moderate-term on-the-job training
13-1071	Human Resources Specialists	8,427	8,729	302	3.6	0.4	232	570	30	832	\$101,680	\$101,400	Bachelor's degree	None	None
13-1075	Labor Relations Specialists	245	233	-12	-4.9	-0.5	6	16	-1	21	\$97,200	\$94,240	Bachelor's degree	Less than 5 years	None
13-1081	Logisticians	1,251	1,463	212	17.0	1.6	28	88	21	137	\$97,890	\$94,970	Bachelor's degree	None	None
13-1111	Management Analysts	22,834	26,673	3,839	16.8	1.6	796	1,424	384	2,604	\$110,850	\$109,220	Bachelor's degree	Less than 5 years	None
13-1121	Meeting, Convention, and Event Planners	2,086	2,519	433	20.8	1.9	69	169	43	281	\$67,340	\$63,820	Bachelor's degree	None	None
13-1131	Fundraisers	2,628	3,048	420	16.0	1.5	88	180	42	310	\$76,030	\$69,800	Bachelor's degree	None	None
13-1141	Compensation, Benefits, and Job Analysis Specialists	536	587	51	9.5	0.9	17	33	5	55	\$82,550	\$78,290	Bachelor's degree	Less than 5 years	None
13-1151	Training and Development Specialists	1,640	1,944	304	18.5	1.7	54	110	30	194	\$81,570	\$77,820	Bachelor's degree	Less than 5 years	None
13-1161	Market Research Analysts and Marketing Specialists	7,164	8,810	1,646	23.0	2.1	189	584	165	938	\$84,340	\$78,070	Bachelor's degree	None	None
13-1198	Project Management Specialists and Business Operations Specialists, A	50,650	51,362	712	1.4	0.1	1,183	2,501	71	3,755	\$105,730	\$100,160	Bachelor's degree	None	None
13-2000	Financial Specialists	24,424	25,834	1,410	5.8	0.6	608	1,425	141	2,174	N/A	N/A			
13-2011	Accountants and Auditors	11,181	11,967	786	7.0	0.7	323	686	79	1,088	\$110,140	\$103,410	Bachelor's degree	None	None
13-2020	Property Appraisers and Assessors	223	231	8	3.6	0.4	9	8	1	18	\$99,420	\$102,320	Bachelor's degree	None	Long-term on-the-job training
13-2031	Budget Analysts	2,283	2,318	35	1.5	0.2	55	120	4	179	\$104,330	\$106,090	Bachelor's degree	None	None
13-2041	Credit Analysts	277	258	-19	-6.9	-0.7	4	18	-2	20	\$107,030	\$103,150	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	734	811	77	10.5	1.0	18	38	8	64	\$142,380	\$108,910	Bachelor's degree	None	Long-term on-the-job training
13-2053	Insurance Underwriters	116	114	-2	-1.7	-0.2	2	6	0	8	\$99,560	\$85,830	Bachelor's degree	None	Moderate-term on-the-job training
13-2061	Financial Examiners	718	731	13	1.8	0.2	19	34	1	54	\$162,480	\$164,440	Bachelor's degree	None	Long-term on-the-job training
13-2071	Credit Counselors	129	144	15	11.6	1.1	3	7	2	12	\$70,530	\$63,580	Bachelor's degree	None	Moderate-term on-the-job training
13-2072	Loan Officers	462	453	-9	-2.0	-0.2	10	25	-1	34	\$81,280	\$75,700	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training
13-2081	Tax Examiners and Collectors, and Revenue Agents	383	399	16	4.2	0.4	15	17	2	34	N/A	N/A	Bachelor's degree	None	Moderate-term on-the-job training
13-2082	Tax Preparers	179	187	8	4.5	0.4	10	10	1	21	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Fin	7,739	8,221	482	6.2	0.6	140	456	48	644	\$109,070	\$103,570	Bachelor's degree	None	None
15-0000	Computer and Mathematical Occupations	51,059	58,051	6,992	13.7	1.3	1,179	2,687	699	4,565	\$113,930	\$113,930			
15-1200	Computer Occupations	47,005	53,042	6,037	12.8	1.2	1,085	2,474	604	4,163	N/A	N/A			
15-1211	Computer Systems Analysts	2,898	3,047	149	5.1	0.5	58	146	15	219	\$108,470	\$107,350	Bachelor's degree	None	None
15-1212	Information Security Analysts	1,717	2,346	629	36.6	3.2	31	112	63	206	\$119,460	\$119,330	Bachelor's degree	Less than 5 years	None
15-1221	Computer and Information Research Scientists	598	693	95	15.9	1.5	11	33	10	54	\$127,830	\$130,560	Master's degree	None	None
15-1231	Computer Network Support Specialists	327	347	20	6.1	0.6	6	18	2	26	\$77,600	\$74,820	Associate's degree	None	None
15-1232	Computer User Support Specialists	3,598	3,975	377	10.5	1.0	71	200	38	309	\$72,010	\$69,090	Some college, no degree	None	None
15-1241	Computer Network Architects	1,419	1,497	78	5.5	0.5	20	66	8	94	\$128,850	\$125,940	Bachelor's degree	5 years or more	None
15-1244	Network and Computer Systems Administrators	1,668	1,763	95	5.7	0.6	29	81	10	120	\$100,170	\$97,0			

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		2020	2030	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
15-1257	Web Developers and Digital Interface Designers	1,671	1,816	145	8.7	0.8	40	86	14	140	\$87,220	\$83,830	Bachelor's degree	None	None
15-1299	Computer Occupations, All Other	22,014	24,464	2,450	11.1	1.1	539	1,140	245	1,924	\$122,460	\$123,320	Bachelor's degree	None	None
15-2000	Mathematical Science Occupations	4,054	5,009	955	23.6	2.1	93	213	96	402	N/A	N/A			
15-2011	Actuaries	207	208	1	0.5	0.0	3	8	0	11	\$136,230	\$134,360	Bachelor's degree	None	Long-term on-the-job training
15-2021	Mathematicians	73	71	-2	-2.7	-0.3	2	4	0	6	\$137,960	\$133,710	Master's degree	None	None
15-2031	Operations Research Analysts	1,562	1,853	291	18.6	1.7	37	74	29	140	\$116,700	\$110,780	Bachelor's degree	None	None
15-2041	Statisticians	1,561	2,039	478	30.6	2.7	36	90	48	174	\$111,970	\$116,350	Master's degree	None	None
15-2098	Data Scientists and Mathematical Science Occupations, All Other	651	838	187	28.7	2.6	15	37	19	71	\$106,210	\$99,240	Bachelor's degree	None	None
17-0000	Architecture and Engineering Occupations	13,390	13,686	296	2.2	0.2	312	614	30	956	\$115,400	\$112,620			
17-1000	Architects, Surveyors, and Cartographers	2,128	2,260	132	6.2	0.6	61	94	13	168	N/A	N/A			
17-1011	Architects, Except Landscape and Naval	1,827	1,949	122	6.7	0.6	52	80	12	144	\$109,540	\$102,080	Bachelor's degree	None	Internship/residency
17-1012	Landscape Architects	171	174	3	1.8	0.2	5	7	0	12	\$84,590	\$76,840	Bachelor's degree	None	Internship/residency
17-1021	Cartographers and Photogrammetrists	52	55	3	5.8	0.6	2	3	0	5	\$95,260	\$94,970	Bachelor's degree	None	None
17-1022	Surveyors	78	82	4	5.1	0.5	3	4	0	7	\$58,370	\$47,590	Bachelor's degree	None	Internship/residency
17-2000	Engineers	9,371	9,484	113	1.2	0.1	193	400	11	604	N/A	N/A			
17-2011	Aerospace Engineers	441	480	39	8.8	0.9	9	16	4	29	\$145,300	\$153,400	Bachelor's degree	None	None
17-2031	Biomedical Engineers	61	68	7	11.5	1.1	1	3	1	5	\$86,360	\$83,050	Bachelor's degree	None	None
17-2041	Chemical Engineers	105	102	-3	-2.9	-0.3	2	4	0	6	\$122,620	\$126,630	Bachelor's degree	None	None
17-2051	Civil Engineers	1,442	1,616	174	12.1	1.1	30	76	17	123	\$96,350	\$92,340	Bachelor's degree	None	None
17-2061	Computer Hardware Engineers	522	479	-43	-8.2	-0.9	10	24	-4	30	\$125,700	\$104,030	Bachelor's degree	None	None
17-2071	Electrical Engineers	629	674	45	7.2	0.7	16	26	4	46	\$126,840	\$127,740	Bachelor's degree	None	None
17-2072	Electronics Engineers, Except Computer	670	659	-11	-1.6	-0.2	16	27	-1	42	\$136,010	\$133,710	Bachelor's degree	None	None
17-2081	Environmental Engineers	302	309	7	2.3	0.2	7	15	1	23	\$106,900	\$109,500	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Insp	124	128	4	3.2	0.3	3	5	0	8	\$117,140	\$118,700	Bachelor's degree	None	None
17-2112	Industrial Engineers	141	145	4	2.8	0.3	3	6	0	9	\$94,680	\$91,520	Bachelor's degree	None	None
17-2121	Marine Engineers and Naval Architects	482	498	16	3.3	0.3	6	18	2	26	\$121,290	\$127,810	Bachelor's degree	None	None
17-2131	Materials Engineers	117	114	-3	-2.6	-0.3	2	4	0	6	N/A	N/A	Bachelor's degree	None	None
17-2141	Mechanical Engineers	659	664	5	0.8	0.1	11	27	0	38	\$115,860	\$112,940	Bachelor's degree	None	None
17-2161	Nuclear Engineers	147	142	-5	-3.4	-0.3	3	6	0	9	N/A	N/A	Bachelor's degree	None	None
17-2199	Engineers, All Other	3,503	3,379	-124	-3.5	-0.4	73	142	-12	203	\$139,050	\$146,030	Bachelor's degree	None	None
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	1,891	1,942	51	2.7	0.3	58	120	5	183	N/A	N/A			
17-3011	Architectural and Civil Drafters	617	624	7	1.1	0.1	19	39	1	59	\$73,280	\$66,930	Associate's degree	None	None
17-3012	Electrical and Electronics Drafters	115	124	9	7.8	0.8	4	8	1	13	\$96,230	\$97,690	Associate's degree	None	None
17-3013	Mechanical Drafters	34	33	-1	-2.9	-0.3	1	2	0	3	N/A	N/A	Associate's degree	None	None
17-3021	Aerospace Engineering and Operations Technicians	178	197	19	10.7	1.0	6	12	2	20	N/A	N/A	Associate's degree	None	None
17-3022	Civil Engineering Technicians	146	158	12	8.2	0.8	5	9	1	15	N/A	N/A	Associate's degree	None	None
17-3023	Electrical and Electronics Engineering Technicians	292	297	5	1.7	0.2	9	18	0	27	\$82,850	\$77,780	Associate's degree	None	None
17-3031	Surveying and Mapping Technicians	37	39	2	5.4	0.5	1	3	0	4	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
17-3098	Calibration and Engineering Technologists and Technicians, Except Dra	441	438	-3	-0.7	-0.1	13	27	0	40	\$96,410	\$98,700	Associate's degree	None	None
19-0000	Life, Physical, and Social Science Occupations	28,926	30,406	1,480	5.1	0.5	626	1,992	148	2,766	\$111,700	\$106,100			
19-1000	Life Scientists	1,663	1,774	111	6.7	0.6	28	116	11	155	N/A	N/A			
19-1013	Soil and Plant Scientists	78	75	-3	-3.9	-0.4	2	6	0	8	\$92,040	\$88,820	Bachelor's degree	None	None
19-1021	Biochemists and Biophysicists	126	131	5	4.0	0.4	2	9	0	11	\$88,740	\$83,180	Doctoral or professional degree	None	None
19-1022	Microbiologists	57	57	0	0.0	0.0	1	4	0	5	\$107,010	\$109,500	Bachelor's degree	None	None
19-1023	Zoologists and Wildlife Biologists	103	105	2	1.9	0.2	2	7	0	9	\$113,310	\$111,180	Bachelor's degree	None	None
19-1029	Biological Scientists, All Other	627	640	13	2.1	0.2	10	45	1	56	\$130,350	\$111,880	Bachelor's degree	None	None
19-1031	Conservation Scientists	149	173	24	16.1	1.5	3	12	2	17	\$90,150	\$84,340	Bachelor's degree	None	None
19-1032	Foresters	42	46	4	9.5	0.9	1	3	0	4	\$95,500	\$88,590	Bachelor's degree	None	None
19-1041	Epidemiologists	43	57	14	32.6	2.9	1	3	1	5	\$99,520	\$101,990	Master's degree	None	None
19-1042	Medical Scientists, Except Epidemiologists	411	462	51	12.4	1.2	6	25	5	36	\$100,340	\$90,210	Doctoral or professional degree	None	None
19-2000	Physical Scientists	4,346	4,489	143	3.3	0.3	70	303	14	387	N/A	N/A			
19-2011	Astronomers	80	77	-3	-3.8	-0.4	1	4	0	5	N/A	N/A	Doctoral or professional degree	None	None
19-2012	Physicists	836	844	8	1.0	0.1	15	40	1	56	\$151,860	\$144,800	Doctoral or professional degree	None	None
19-2021	Atmospheric and Space Scientists	40	40	0	0.0	0.0	1	3	0	4	\$132,340	\$143,610	Bachelor's degree	None	None
19-2031	Chemists	348	341	-7	-2.0	-0.2	5	26	-1	30	\$129,900	\$133,070	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including Health	2,021	2,206	185	9.2	0.9	35	168	18	221	\$116,120	\$117,350	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	54	52	-2	-3.7	-0.4	1	4	0	5	N/A	N/A	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	957	919	-38	-4.0	-0.4	12	58	-4	66	\$141,980	\$147,460	Bachelor's degree	None	None
19-3000	Social Scientists and Related Workers	16,643	17,359	716	4.3	0.4	355	980	72	1,407	N/A	N/A			
19-3011	Economists	6,289	6,792	503	8.0	0.8	123	330	50	503	\$144,110	\$133,470	Master's degree	None	None
19-3022	Survey Researchers	786	757	-29	-3.7	-0.4	17	51	-3	65	\$89,510	\$82,780	Master's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	654	763	109	16.7	1.6	18	28	11	57	\$106,920	\$91,140	Doctoral or professional degree	None	Internship/residency
19-3039	Psychologists, All Other	651	671	20	3.1	0.3	17	26	2	45	\$96,730	\$102,660	Master's degree	None	Internship/residency
19-3051	Urban and Regional Planners	239	243	4	1.7	0.2	4	17	0	21	\$113,680	\$116,350	Master's degree	None	None
19-3091	Anthropologists and Archeologists	71	68	-3	-4.2	-0.4	2	5	0	7	N/A	N/A	Master's degree	None	None
19-3092	Geographers	34	33	-1	-2.9	-0.3	1	2	0	3	N/A	N/A	Bachelor's degree	None	None
19-3093	Historians	322	327	5	1.6	0.2	7	21	0	28	N/A	N/A	Master's degree	None	None
19-3094	Political Scientists	4,243	4,418	175	4.1	0.4	94	284	18	396	\$126,530	\$129,410	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	3,299	3,239	-60	-1.8	-0.2	71	215	-6	280	\$109,300	\$106,480	Bachelor's degree	None	None
19-4000	Life, Physical, and Social Science Technicians	5,834	6,324	490	8.4	0.8	161	573	49	783	N/A	N/A			
19-4021	Biological Technicians	371	399	28	7.6	0.7	9	38	3	50	\$51,210	\$48,400	Bachelor's degree	None	None
19-4031	Chemical Technicians	40	44	4	10.0	1.0	1	4	0	5	\$75,810	\$65,860	Associate's degree	None	Moderate-term on-the-job training
19-4045	Geological and Hydrologic Technicians	199	213	14	7.0	0.7	6	19	1	26	N/A	N/A	Associate's degree	None	Moderate-term on-the-job training
19-4061	Social Science Research Assistants	3,785	4,093	308	8.1	0.8	105	370	31	506	\$69,100	\$58,310	Bachelor's degree	None	None
19-4071	Forest and Conservation Technicians	137	171	34	24.8	2.2	4	14	3	21	N/A	N/A	Associate's degree	None	None
19-4092	Forensic Science Technicians	214	251	37	17.3	1.6	6	22	4	32	N/A	N/A	Bachelor's degree	None	Moderate-term on-the-job training

District of Columbia															
Long-Term Occupational Projections															
2020 - 2030															
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		2020	2030	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
19-4099	Life, Physical, and Social Science Technicians, All Other	1,049	1,113	64	6.1	0.6	29	102	6	137	\$68,830	\$63,260	Associate's degree	None	None
19-5000	Occupational Health and Safety Specialists and Technicians	440	460	20	4.6	0.4	12	19	2	33	N/A	N/A			
19-5011	Occupational Health and Safety Specialists	391	405	14	3.6	0.4	11	17	1	29	\$95,410	\$96,000	Bachelor's degree	None	None
19-5012	Occupational Health and Safety Technicians	49	55	6	12.2	1.2	1	2	1	4	\$49,980	\$44,650	High school diploma or equivalent	None	Moderate-term on-the-job training
21-0000	Community and Social Service Occupations	11,486	13,014	1,528	13.3	1.3	408	796	153	1,357	\$65,680	\$61,480			
21-1000	Counselors, Social Workers, and Other Community and Social Service	10,885	12,401	1,516	13.9	1.3	379	756	152	1,287	N/A	N/A			
21-1012	Educational, Guidance, School, and Vocational Counselors	1,336	1,599	263	19.7	1.8	48	87	26	161	\$69,720	\$67,600	Master's degree	None	None
21-1013	Marriage and Family Therapists	32	38	6	18.8	1.7	1	2	1	4	N/A	N/A	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	909	971	62	6.8	0.7	31	56	6	93	\$52,210	\$44,430	Master's degree	None	None
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	1,053	1,270	217	20.6	1.9	38	69	22	129	\$56,200	\$53,330	Bachelor's degree	None	None
21-1019	Counselors, All Other	288	335	47	16.3	1.5	10	18	5	33	\$49,040	\$43,950	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	2,160	2,448	288	13.3	1.3	65	146	29	240	\$71,840	\$69,700	Bachelor's degree	None	None
21-1022	Healthcare Social Workers	397	426	29	7.3	0.7	12	26	3	41	\$76,100	\$74,920	Master's degree	None	Internship/residency
21-1023	Mental Health and Substance Abuse Social Workers	631	690	59	9.4	0.9	18	42	6	66	\$73,490	\$72,770	Master's degree	None	Internship/residency
21-1029	Social Workers, All Other	223	221	-2	-0.9	-0.1	6	14	0	20	N/A	N/A	Bachelor's degree	None	None
21-1091	Health Educators	629	659	30	4.8	0.5	22	44	3	69	\$97,390	\$96,670	Bachelor's degree	None	None
21-1093	Social and Human Service Assistants	1,724	1,982	258	15.0	1.4	74	140	26	240	\$54,640	\$49,490	High school diploma or equivalent	None	Short-term on-the-job training
21-1094	Community Health Workers	817	981	164	20.1	1.8	31	62	16	109	\$62,040	\$55,610	High school diploma or equivalent	None	Short-term on-the-job training
21-1099	Community and Social Service Specialists, All Other	672	765	93	13.8	1.3	24	50	9	83	\$58,340	\$52,040	Bachelor's degree	None	None
21-2000	Religious Workers	601	613	12	2.0	0.2	29	40	1	70	N/A	N/A			
21-2011	Clergy	209	217	8	3.8	0.4	9	12	1	22	\$73,920	\$67,200	Bachelor's degree	None	Moderate-term on-the-job training
21-2021	Directors, Religious Activities and Education	173	176	3	1.7	0.2	7	13	0	20	\$75,020	\$56,150	Bachelor's degree	None	None
21-2099	Religious Workers, All Other	219	220	1	0.5	0.0	13	16	0	29	\$55,430	\$41,410	Bachelor's degree	None	None
23-0000	Legal Occupations	48,266	50,083	1,817	3.8	0.4	1,216	1,589	182	2,987	\$172,690	\$166,500			
23-1000	Lawyers, Judges, and Related Workers	39,204	40,479	1,275	3.3	0.3	861	981	128	1,970	N/A	N/A			
23-1011	Lawyers	38,702	39,971	1,269	3.3	0.3	850	968	127	1,945	\$197,100	\$170,810	Doctoral or professional degree	None	None
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	388	390	2	0.5	0.1	8	10	0	18	N/A	N/A	Doctoral or professional degree	5 years or more	Short-term on-the-job training
23-1022	Arbitrators, Mediators, and Conciliators	114	118	4	3.5	0.3	2	3	0	5	\$104,460	\$97,530	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training
23-2000	Legal Support Workers	9,062	9,604	542	6.0	0.6	355	608	54	1,017	N/A	N/A			
23-2011	Paralegals and Legal Assistants	6,522	7,035	513	7.9	0.8	262	458	51	771	\$83,330	\$83,170	Associate's degree	None	None
23-2099	Legal Support Workers, All Other	2,514	2,542	28	1.1	0.1	92	149	3	244	\$79,970	\$67,760	Associate's degree	None	None
25-0000	Education, Training, and Library Occupations	33,420	37,999	4,579	13.7	1.3	1,521	1,645	458	3,624	\$81,030	\$70,300			
25-1000	Postsecondary Teachers	9,573	10,824	1,251	13.1	1.2	456	477	125	1,058	N/A	N/A			
25-1011	Business Teachers, Postsecondary	653	709	56	8.6	0.8	30	32	6	68	\$125,460	\$92,970	Doctoral or professional degree	None	None
25-1021	Computer Science Teachers, Postsecondary	221	243	22	10.0	1.0	10	11	2	23	\$112,270	\$94,750	Doctoral or professional degree	None	None
25-1022	Mathematical Science Teachers, Postsecondary	226	248	22	9.7	0.9	11	11	2	24	\$80,530	\$75,900	Doctoral or professional degree	None	None
25-1031	Architecture Teachers, Postsecondary	56	62	6	10.7	1.0	3	3	1	7	\$101,640	\$86,640	Doctoral or professional degree	None	None
25-1032	Engineering Teachers, Postsecondary	181	207	26	14.4	1.4	9	9	3	21	N/A	N/A	Doctoral or professional degree	None	None
25-1042	Biological Science Teachers, Postsecondary	317	363	46	14.5	1.4	15	16	5	36	\$117,350	\$105,240	Doctoral or professional degree	None	None
25-1052	Chemistry Teachers, Postsecondary	88	96	8	9.1	0.9	4	4	1	9	\$104,450	\$93,100	Doctoral or professional degree	None	None
25-1053	Environmental Science Teachers, Postsecondary	35	38	3	8.6	0.8	2	2	0	4	\$112,900	\$90,440	Doctoral or professional degree	None	None
25-1054	Physics Teachers, Postsecondary	110	120	10	9.1	0.9	5	5	1	11	\$106,720	\$97,640	Doctoral or professional degree	None	None
25-1061	Anthropology and Archeology Teachers, Postsecondary	50	55	5	10.0	1.0	2	2	0	4	\$107,310	\$96,160	Doctoral or professional degree	None	None
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	204	224	20	9.8	0.9	10	10	2	22	\$87,860	\$81,870	Doctoral or professional degree	None	None
25-1063	Economics Teachers, Postsecondary	227	249	22	9.7	0.9	11	11	2	24	\$148,680	\$128,230	Doctoral or professional degree	None	None
25-1065	Political Science Teachers, Postsecondary	864	952	88	10.2	1.0	41	42	9	92	\$116,380	\$99,890	Doctoral or professional degree	None	None
25-1066	Psychology Teachers, Postsecondary	165	185	20	12.1	1.2	8	8	2	18	\$106,050	\$104,040	Doctoral or professional degree	None	None
25-1067	Sociology Teachers, Postsecondary	106	116	10	9.4	0.9	5	5	1	11	\$86,440	\$82,540	Doctoral or professional degree	None	None
25-1069	Social Sciences Teachers, Postsecondary, All Other	93	102	9	9.7	0.9	4	5	1	10	\$92,480	\$83,160	Doctoral or professional degree	None	None
25-1071	Health Specialties Teachers, Postsecondary	1,244	1,571	327	26.3	2.4	63	66	33	162	\$147,450	\$124,510	Doctoral or professional degree	Less than 5 years	None
25-1072	Nursing Instructors and Teachers, Postsecondary	131	166	35	26.7	2.4	7	7	4	18	\$111,940	\$101,950	Doctoral or professional degree	Less than 5 years	None
25-1081	Education Teachers, Postsecondary	555	607	52	9.4	0.9	26	27	5	58	\$52,760	\$29,140	Doctoral or professional degree	Less than 5 years	None
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	80	92	12	15.0	1.4	4	4	1	9	\$81,400	\$74,360	Doctoral or professional degree	None	None
25-1112	Law Teachers, Postsecondary	850	950	100	11.8	1.1	40	42	10	92	\$145,400	\$108,080	Doctoral or professional degree	Less than 5 years	None
25-1113	Social Work Teachers, Postsecondary	41	45	4	9.8	0.9	2	2	0	4	N/A	N/A	Doctoral or professional degree	None	None
25-1121	Art, Drama, and Music Teachers, Postsecondary	414	461	47	11.4	1.1	20	20	5	45	\$81,550	\$76,360	Master's degree	None	None
25-1122	Communications Teachers, Postsecondary	247	271	24	9.7	0.9	12	12	2	26	\$86,660	\$80,190	Doctoral or professional degree	None	None
25-1123	English Language and Literature Teachers, Postsecondary	318	348	30	9.4	0.9	15	16	3	34	\$88,970	\$78,690	Doctoral or professional degree	None	None
25-1124	Foreign Language and Literature Teachers, Postsecondary	671	784	113	16.8	1.6	32	34	11	77	\$75,720	\$69,720	Doctoral or professional degree	None	None
25-1125	History Teachers, Postsecondary	135	149	14	10.4	1.0	6	7	1	14	\$107,150	\$96,380	Doctoral or professional degree	None	None
25-1126	Philosophy and Religion Teachers, Postsecondary	270	304	34	12.6	1.2	13	13	3	29	\$88,580	\$81,740	Doctoral or professional degree	None	None
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	58	63	5	8.6	0.8	3	3	0	6	N/A	N/A	Doctoral or professional degree	None	None
25-1199	Postsecondary Teachers, All Other	885	958	73	8.3	0.8	41	43	7	91	N/A	N/A	Doctoral or professional degree	None	None
25-2000	Preschool, Primary, Secondary, and Special Education School Teachers	11,542	13,464	1,922	16.7	1.6	384	526	192	1,102	N/A	N/A			
25-2011	Preschool Teachers, Except Special Education	937	1,103	166	17.7	1.6	42	60	17	119	\$45,890	\$43,210	Associate's degree	None	None
25-2012	Kindergarten Teachers, Except Special Education	249	288	39	15.7	1.5	11	16	4	31	\$55,730	\$55,480	Bachelor's degree	None	None
25-2021	Elementary School Teachers, Except Special Education	4,051	4,759	708	17.5	1.6	135	176	71	382	\$78,840	\$76,090	Bachelor's degree	None	None
25-2022	Middle School Teachers, Except Special and Career/Technical Education	807	942	135	16.7	1.6	27	35	14	76	\$79,110	\$78,160	Bachelor's degree	None	None
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	3,730	4,305	575	15.4	1.4	107	163	58	328	\$66,800	\$64,020	Bachelor's degree	None	None
25-2051	Special Education Teachers, Preschool	36	42	6	16.7	1.6	1	2	1	4	\$68,720	\$65,020	Bachelor's degree	None	None
25-2052	Special Education Teachers, Kindergarten and Elementary School	870	1,018	148	17.0	1.6	31	38	15	84	\$77,540	\$74,960	Bachelor's degree	None	None
25-2057	Special Education Teachers, Middle School	259	304	45	17.4	1.6	9	11	4	24	\$81,380	\$78,690	Bachelor's degree	None	None
25-2058	Special Education Teachers, Secondary School	354	416	62	17.5	1.6	12	15	6	33	\$82,440	\$78,390	Bachelor's degree	None	None
25-2059	Special Education Teachers, All Other	219	253	34	15.5	1.5	8	9	3	20	\$72,690	\$69,940	Bachelor's degree	None	None
25-3000	Other Teachers and Instructors	3,168	3,602	434	13.7	1.3	202	182	43	427	N/A	N/A			

District of Columbia															
Long-Term Occupational Projections															
2020 - 2030															
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		2020	2030	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instru	421	456	35	8.3	0.8	26	24	4	54	\$63,250	\$60,580	Bachelor's degree	None	None
25-3021	Self-Enrichment Education Teachers	756	967	211	27.9	2.5	51	46	21	118	\$65,900	\$50,600	High school diploma or equivalent	Less than 5 years	None
25-3031	Substitute Teachers, Short-Term	114	138	24	21.1	1.9	8	7	2	17	\$33,680	\$31,020	Bachelor's degree	None	None
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	1,877	2,041	164	8.7	0.8	117	105	16	238	\$69,900	\$61,850	Bachelor's degree	None	None
25-4000	Librarians, Curators, and Archivists	2,853	2,964	111	3.9	0.4	167	155	11	333	N/A	N/A			
25-4011	Archivists	173	166	-7	-4.1	-0.4	8	10	-1	17	\$88,710	\$89,220	Master's degree	None	None
25-4012	Curators	196	209	13	6.6	0.6	10	12	1	23	\$83,190	\$79,240	Master's degree	None	None
25-4013	Museum Technicians and Conservators	566	550	-16	-2.8	-0.3	28	34	-2	60	\$73,860	\$73,440	Bachelor's degree	None	None
25-4022	Librarians and Media Collections Specialists	1,245	1,330	85	6.8	0.7	63	56	8	127	\$86,520	\$86,670	Master's degree	None	None
25-4031	Library Technicians	673	709	36	5.4	0.5	57	43	4	104	\$55,020	\$55,590	Postsecondary non-degree award	None	None
25-9000	Other Education, Training, and Library Occupations	6,284	7,145	861	13.7	1.3	312	306	86	704	N/A	N/A			
25-9031	Instructional Coordinators	1,592	1,795	203	12.8	1.2	83	74	20	177	\$100,350	\$98,380	Master's degree	5 years or more	None
25-9044	Teaching Assistants, Postsecondary	445	474	29	6.5	0.6	21	22	3	46	\$46,940	\$46,550	Bachelor's degree	None	None
25-9045	Teaching Assistants, Except Postsecondary	3,321	3,841	520	15.7	1.5	160	167	52	379	\$36,070	\$35,120	Some college, no degree	None	None
25-9099	Education, Training, and Library Workers, All Other	926	1,035	109	11.8	1.1	48	43	11	102	\$78,970	\$80,060	Bachelor's degree	None	None
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	44,112	48,405	4,293	9.7	0.9	1,410	2,945	429	4,784	\$100,400	\$87,380			
27-1000	Art and Design Workers	6,122	6,210	88	1.4	0.1	237	347	9	593	N/A	N/A			
27-1011	Art Directors	635	666	31	4.9	0.5	32	34	3	69	\$98,890	\$94,930	Bachelor's degree	5 years or more	None
27-1014	Multimedia Artists and Animators	292	296	4	1.4	0.1	14	15	0	29	\$89,520	\$88,670	Bachelor's degree	None	None
27-1019	Artists and Related Workers, All Other	1,770	1,703	-67	-3.8	-0.4	84	90	-7	167	N/A	N/A	No formal educational credential	None	Long-term on-the-job training
27-1023	Floral Designers	64	67	3	4.7	0.5	2	4	0	6	\$42,350	\$31,890	High school diploma or equivalent	None	Moderate-term on-the-job training
27-1024	Graphic Designers	1,578	1,626	48	3.0	0.3	49	95	5	149	\$83,070	\$79,340	Bachelor's degree	None	None
27-1025	Interior Designers	995	1,042	47	4.7	0.5	31	61	5	97	\$72,750	\$66,340	Bachelor's degree	None	None
27-1026	Merchandise Displayers and Window Trimmers	71	83	12	16.9	1.6	2	5	1	8	\$35,100	\$31,640	High school diploma or equivalent	None	Short-term on-the-job training
27-1027	Set and Exhibit Designers	460	427	-33	-7.2	-0.7	14	26	-3	37	\$76,180	\$79,240	Bachelor's degree	None	None
27-1029	Designers, All Other	190	213	23	12.1	1.1	6	12	2	20	\$69,260	\$63,310	Bachelor's degree	None	None
27-2000	Entertainers and Performers, Sports and Related Workers	4,580	5,548	968	21.1	1.9	173	334	97	604	N/A	N/A			
27-2011	Actors	435	543	108	24.8	2.2	20	32	11	63	N/A	N/A	Some college, no degree	None	Long-term on-the-job training
27-2012	Producers and Directors	2,820	3,195	375	13.3	1.3	66	190	38	294	\$95,670	\$89,220	Bachelor's degree	Less than 5 years	None
27-2021	Athletes and Sports Competitors	42	74	32	76.2	5.8	3	5	3	11	N/A	N/A	No formal educational credential	None	Long-term on-the-job training
27-2022	Coaches and Scouts	480	600	120	25.0	2.3	31	43	12	86	\$72,180	\$56,750	Bachelor's degree	None	None
27-2031	Dancers	89	146	57	64.0	5.1	7	12	6	25	N/A	N/A	No formal educational credential	None	Long-term on-the-job training
27-2032	Choreographers	54	83	29	53.7	4.4	4	7	3	14	\$95,000	\$113,670	High school diploma or equivalent	5 years or more	Long-term on-the-job training
27-2041	Music Directors and Composers	121	146	25	20.7	1.9	8	8	2	18	N/A	N/A	Bachelor's degree	Less than 5 years	None
27-2042	Musicians and Singers	359	438	79	22.0	2.0	23	22	8	53	N/A	N/A	No formal educational credential	None	Long-term on-the-job training
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Worker	166	296	130	78.3	6.0	9	13	13	35	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
27-3000	Media and Communication Workers	29,986	32,421	2,435	8.1	0.8	886	2,012	244	3,142	N/A	N/A			
27-3011	Radio and Television Announcers	445	486	41	9.2	0.9	18	25	4	47	\$75,050	\$61,270	Bachelor's degree	None	None
27-3023	News Analysts, Reporters, and Journalists	2,272	2,457	185	8.1	0.8	70	182	18	270	\$115,980	\$97,620	Bachelor's degree	None	None
27-3031	Public Relations Specialists	19,119	21,171	2,052	10.7	1.0	504	1,322	205	2,031	\$109,140	\$92,240	Bachelor's degree	None	None
27-3041	Editors	3,437	3,416	-21	-0.6	-0.1	112	215	-2	325	\$95,590	\$85,660	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	593	636	43	7.3	0.7	16	38	4	58	\$90,230	\$91,190	Bachelor's degree	Less than 5 years	Short-term on-the-job training
27-3043	Writers and Authors	3,011	2,794	-217	-7.2	-0.7	116	160	-22	254	\$104,720	\$103,220	Bachelor's degree	None	Long-term on-the-job training
27-3091	Interpreters and Translators	901	1,233	332	36.9	3.2	41	58	33	132	N/A	N/A	Bachelor's degree	None	None
27-3099	Media and Communication Workers, All Other	208	228	20	9.6	0.9	8	12	2	22	\$74,530	\$64,400	High school diploma or equivalent	None	Short-term on-the-job training
27-4000	Media and Communication Equipment Workers	3,424	4,226	802	23.4	2.1	113	252	80	445	N/A	N/A			
27-4011	Audio and Video Equipment Technicians	650	868	218	33.5	2.9	20	56	22	98	\$66,990	\$62,420	Postsecondary non-degree award	None	Short-term on-the-job training
27-4012	Broadcast Technicians	470	515	45	9.6	0.9	13	36	4	53	\$71,230	\$71,680	Associate's degree	None	Short-term on-the-job training
27-4014	Sound Engineering Technicians	112	122	10	8.9	0.9	3	9	1	13	\$71,930	\$65,620	Postsecondary non-degree award	None	Short-term on-the-job training
27-4021	Photographers	785	1,221	436	55.5	4.5	34	56	44	134	\$91,720	\$92,990	High school diploma or equivalent	None	Moderate-term on-the-job training
27-4031	Camera Operators, Television, Video, and Motion Picture	525	582	57	10.9	1.0	17	34	6	57	\$70,440	\$69,790	Bachelor's degree	None	None
27-4032	Film and Video Editors	423	472	49	11.6	1.1	14	28	5	47	\$73,390	\$68,960	Bachelor's degree	None	None
27-4098	Lighting Technicians and Media and Communication Equipment Worker	459	446	-13	-2.8	-0.3	12	33	-1	44	\$108,340	\$112,250	High school diploma or equivalent	None	Short-term on-the-job training
29-0000	Healthcare Practitioners and Technical Occupations	29,445	32,021	2,576	8.8	0.8	749	833	258	1,840	\$107,690	\$89,360			
29-1000	Health Diagnosing and Treating Practitioners	22,231	24,187	1,956	8.8	0.8	540	516	196	1,252	N/A	N/A			
29-1021	Dentists, General	577	697	120	20.8	1.9	12	5	12	29	N/A	N/A	Doctoral or professional degree	None	None
29-1029	Dentists, All Other Specialists	34	32	-2	-5.9	-0.6	1	0	0	1	N/A	N/A	Doctoral or professional degree	None	Internship/residency
29-1031	Dietitians and Nutritionists	336	405	69	20.5	1.9	12	13	7	32	\$73,150	\$72,020	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	97	108	11	11.3	1.1	2	1	1	4	\$189,750	\$157,320	Doctoral or professional degree	None	None
29-1051	Pharmacists	1,093	1,147	54	4.9	0.5	21	22	5	48	\$123,450	\$126,230	Doctoral or professional degree	None	None
29-1071	Physician Assistants	511	668	157	30.7	2.7	9	23	16	48	\$114,330	\$116,320	Master's degree	None	None
29-1122	Occupational Therapists	360	434	74	20.6	1.9	9	13	7	29	\$96,330	\$96,980	Master's degree	None	None
29-1123	Physical Therapists	590	705	115	19.5	1.8	13	13	12	38	\$96,090	\$93,000	Doctoral or professional degree	None	None
29-1124	Radiation Therapists	127	135	8	6.3	0.6	2	4	1	7	\$84,500	\$81,230	Associate's degree	None	None
29-1125	Recreational Therapists	74	78	4	5.4	0.5	2	3	0	5	\$78,630	\$79,250	Bachelor's degree	None	None
29-1126	Respiratory Therapists	284	347	63	22.2	2.0	7	8	6	21	\$82,940	\$81,470	Associate's degree	None	None
29-1127	Speech-Language Pathologists	477	679	202	42.4	3.6	14	21	20	55	\$101,920	\$99,420	Master's degree	None	Internship/residency
29-1129	Therapists, All Other	76	83	7	9.2	0.9	2	3	1	6	\$78,310	\$77,060	Bachelor's degree	None	None
29-1131	Veterinarians	134	184	50	37.3	3.2	2	2	5	9	\$127,310	\$128,910	Doctoral or professional degree	None	None
29-1141	Registered Nurses	10,575	11,145	570	5.4	0.5	290	273	57	620	\$90,050	\$89,440	Bachelor's degree	None	None
29-1161	Nurse Midwives	68	73	5	7.4	0.7	2	2	0	4	\$85,740	\$83,010	Master's degree	None	None
29-1171	Nurse Practitioners	858	1,222	364	42.4	3.6	22	33	36	91	\$116,150	\$115,790	Master's degree	None	None
29-1181	Audiologists	98	111	13	13.3	1.3	2	2	1	5	\$97,650	\$87,300	Doctoral or professional degree	None	None
29-1211	Anesthesiologists	119	113	-6	-5.0	-0.5	2	1	-1	2	N/A	N/A	Doctoral or professional degree	None	Internship/residency
29-1215	Family Medicine Physicians	238	250	12	5.0	0.5	4	3	1	8	\$174,210	\$162,030	Doctoral or professional degree	None	Internship/residency
29-1216	General Internal Medicine Physicians	1,635	1,615	-20	-1.2	-0.1	26	18	-2	42	\$208,480	N/A	Doctoral or professional degree	None	Internship/residency

District of Columbia															
Long-Term Occupational Projections															
2020 - 2030															
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		2020	2030	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
29-1218	Obstetricians and Gynecologists	109	104	-5	-4.6	-0.5	2	1	0	3	\$210,500	\$198,780	Doctoral or professional degree	None	Internship/residency
29-1221	Pediatricians, General	321	331	10	3.1	0.3	5	4	1	10	N/A	N/A	Doctoral or professional degree	None	Internship/residency
29-1223	Psychiatrists	219	238	19	8.7	0.8	4	3	2	9	\$156,890	\$94,250	Doctoral or professional degree	None	Internship/residency
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	2,036	2,079	43	2.1	0.2	33	23	4	60	\$212,890	N/A	Doctoral or professional degree	None	Internship/residency
29-1248	Surgeons, Except Ophthalmologists	254	253	-1	-0.4	0.0	4	3	0	7	\$286,160	N/A	Doctoral or professional degree	None	Internship/residency
29-1292	Dental Hygienists	207	255	48	23.2	2.1	8	6	5	19	\$94,650	\$96,790	Associate's degree	None	None
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All	653	621	-32	-4.9	-0.5	28	10	-3	35	N/A	N/A	Master's degree	None	None
29-2000	Health Technologists and Technicians	6,907	7,484	577	8.4	0.8	200	302	58	560	N/A	N/A			
29-2010	Clinical Laboratory Technologists and Technicians	1,033	1,088	55	5.3	0.5	27	39	6	72	\$66,350	\$63,340	Bachelor's degree	None	None
29-2031	Cardiovascular Technologists and Technicians	147	155	8	5.4	0.5	4	6	1	11	\$78,040	\$81,360	Associate's degree	None	None
29-2032	Diagnostic Medical Sonographers	138	160	22	15.9	1.5	4	6	2	12	\$94,260	\$95,530	Associate's degree	None	None
29-2033	Nuclear Medicine Technologists	79	85	6	7.6	0.7	2	4	1	7	\$96,960	\$96,540	Associate's degree	None	None
29-2034	Radiologic Technologists	459	482	23	5.0	0.5	13	20	2	35	\$82,270	\$83,500	Associate's degree	None	None
29-2035	Magnetic Resonance Imaging Technologists	87	91	4	4.6	0.5	2	4	0	6	\$96,100	\$97,520	Associate's degree	Less than 5 years	None
29-2040	Emergency Medical Technicians and Paramedics	574	632	58	10.1	1.0	11	28	6	45	\$47,460	\$41,040	Postsecondary non-degree award	None	None
29-2051	Dietetic Technicians	191	195	4	2.1	0.2	5	8	0	13	\$32,540	\$30,630	Associate's degree	None	None
29-2052	Pharmacy Technicians	634	722	88	13.9	1.3	18	29	9	56	\$46,240	\$45,790	High school diploma or equivalent	None	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	373	405	32	8.6	0.8	11	17	3	31	\$53,670	\$55,570	Postsecondary non-degree award	Less than 5 years	Short-term on-the-job training
29-2055	Surgical Technologists	285	302	17	6.0	0.6	8	13	2	23	\$61,620	\$60,670	Postsecondary non-degree award	None	None
29-2056	Veterinary Technologists and Technicians	169	230	61	36.1	3.1	5	9	6	20	\$66,850	\$45,740	Associate's degree	None	None
29-2057	Ophthalmic Medical Technicians	150	165	15	10.0	1.0	4	7	2	13	\$47,930	\$45,340	Postsecondary non-degree award	None	None
29-2061	Licensed Practical and Licensed Vocational Nurses	1,432	1,546	114	8.0	0.8	50	62	11	123	\$57,810	\$58,100	Postsecondary non-degree award	None	None
29-2081	Opticians, Dispensing	58	74	16	27.6	2.5	3	2	2	7	\$52,210	\$53,320	High school diploma or equivalent	None	Long-term on-the-job training
29-2091	Orthotists and Prosthetists	87	99	12	13.8	1.3	2	4	1	7	N/A	N/A	Master's degree	None	Internship/residency
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists	999	1,041	42	4.2	0.4	28	44	4	76	\$60,530	\$57,490	Postsecondary non-degree award	None	None
29-9000	Other Healthcare Practitioners and Technical Occupations	307	350	43	14.0	1.3	9	14	4	27	N/A	N/A			
29-9091	Athletic Trainers	76	101	25	32.9	2.9	2	4	2	8	\$72,970	\$61,650	Bachelor's degree	None	None
29-9092	Genetic Counselors	39	49	10	25.6	2.3	1	2	1	4	\$87,010	\$87,480	Master's degree	None	None
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants	192	200	8	4.2	0.4	5	8	1	14	\$84,570	\$79,950	Postsecondary non-degree award	None	None
31-0000	Healthcare Support Occupations	19,366	23,372	4,006	20.7	1.9	1,291	1,278	401	2,970	\$35,390	\$32,000			
31-1100	Home Health and Personal Care Aides; and Nursing Assistants, Orderlies	15,661	18,980	3,319	21.2	1.9	1,109	981	332	2,422	N/A	N/A			
31-1120	Home Health and Personal Care Aides	12,116	15,179	3,063	25.3	2.3	874	773	306	1,953	\$31,810	\$31,280	High school diploma or equivalent	None	Short-term on-the-job training
31-1131	Nursing Assistants	3,273	3,502	229	7.0	0.7	217	192	23	432	\$36,980	\$34,580	Postsecondary non-degree award	None	None
31-1132	Orderlies	160	167	7	4.4	0.4	10	9	1	20	\$36,290	\$35,930	High school diploma or equivalent	None	Short-term on-the-job training
31-1133	Psychiatric Aides	112	132	20	17.9	1.7	8	7	2	17	\$37,940	\$32,160	High school diploma or equivalent	None	Short-term on-the-job training
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	274	321	47	17.2	1.6	13	22	5	40	N/A	N/A			
31-2011	Occupational Therapy Assistants	30	34	4	13.3	1.3	2	2	0	4	\$59,610	\$60,800	Associate's degree	None	None
31-2021	Physical Therapist Assistants	157	173	16	10.2	1.0	7	12	2	21	\$43,540	\$40,030	Associate's degree	None	None
31-2022	Physical Therapist Aides	58	74	16	27.6	2.5	3	5	2	10	\$33,710	\$32,080	High school diploma or equivalent	None	Short-term on-the-job training
31-9000	Other Healthcare Support Occupations	3,431	4,071	640	18.7	1.7	168	275	64	507	N/A	N/A			
31-9011	Massage Therapists	128	230	102	79.7	6.0	10	9	10	29	N/A	N/A	Postsecondary non-degree award	None	None
31-9091	Dental Assistants	522	625	103	19.7	1.8	26	40	10	76	\$42,910	\$35,680	Postsecondary non-degree award	None	None
31-9092	Medical Assistants	1,904	2,258	354	18.6	1.7	85	156	35	276	\$45,340	\$45,300	Postsecondary non-degree award	None	None
31-9093	Medical Equipment Preparers	159	168	9	5.7	0.6	9	11	1	21	\$51,260	\$49,520	High school diploma or equivalent	None	Moderate-term on-the-job training
31-9094	Medical Transcriptionists	92	94	2	2.2	0.2	5	8	0	13	\$35,070	\$30,610	Postsecondary non-degree award	None	None
31-9095	Pharmacy Aides	69	71	2	2.9	0.3	4	5	0	9	\$46,390	\$46,980	High school diploma or equivalent	None	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	94	123	29	30.9	2.7	5	12	3	20	\$38,890	\$37,090	High school diploma or equivalent	None	Short-term on-the-job training
31-9097	Phlebotomists	236	270	34	14.4	1.4	11	18	3	32	\$43,960	\$44,280	Postsecondary non-degree award	None	None
31-9099	Healthcare Support Workers, All Other	227	232	5	2.2	0.2	13	15	0	28	\$53,840	\$51,900	High school diploma or equivalent	None	None
33-0000	Protective Service Occupations	29,941	33,144	3,203	10.7	1.0	1,312	1,993	320	3,625	\$70,360	\$63,350			
33-1000	Supervisors of Protective Service Workers	2,673	2,838	165	6.2	0.6	75	128	16	219	N/A	N/A			
33-1011	First-Line Supervisors of Correctional Officers	54	57	3	5.6	0.5	2	3	0	5	N/A	N/A	High school diploma or equivalent	Less than 5 years	None
33-1012	First-Line Supervisors of Police and Detectives	1,456	1,492	36	2.5	0.2	33	60	4	97	\$127,690	\$116,350	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	366	400	34	9.3	0.9	9	15	3	27	N/A	N/A	Postsecondary non-degree award	Less than 5 years	Moderate-term on-the-job training
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	797	889	92	11.5	1.1	31	49	9	89	\$67,100	\$65,140	High school diploma or equivalent	Less than 5 years	None
33-2000	Fire Fighting and Prevention Workers	1,565	1,712	147	9.4	0.9	38	84	15	137	N/A	N/A			
33-2011	Firefighters	1,498	1,635	137	9.2	0.9	34	81	14	129	N/A	N/A	Postsecondary non-degree award	None	Long-term on-the-job training
33-2021	Fire Inspectors and Investigators	67	77	10	14.9	1.4	4	4	1	9	N/A	N/A	Postsecondary non-degree award	5 years or more	Moderate-term on-the-job training
33-3000	Law Enforcement Workers	11,510	11,626	116	1.0	0.1	309	572	12	893	N/A	N/A			
33-3012	Correctional Officers and Jailers	942	931	-11	-1.2	-0.1	35	51	-1	85	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	3,962	3,936	-26	-0.7	-0.1	101	182	-3	280	N/A	N/A	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
33-3041	Parking Enforcement Workers	260	171	-89	-34.2	-4.1	11	10	-9	12	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	6,346	6,588	242	3.8	0.4	162	328	24	514	\$79,600	\$77,710	High school diploma or equivalent	None	Moderate-term on-the-job training
33-9000	Other Protective Service Workers	14,193	16,968	2,775	19.6	1.8	890	1,209	278	2,377	N/A	N/A			
33-9021	Private Detectives and Investigators	73	84	11	15.1	1.4	2	5	1	8	\$63,030	\$63,170	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
33-9032	Security Guards	13,381	16,052	2,671	20.0	1.8	779	1,140	267	2,186	\$49,130	\$48,720	High school diploma or equivalent	None	Short-term on-the-job training
33-9091	Crossing Guards	344	377	33	9.6	0.9	52	19	3	74	\$39,220	\$38,120	No formal educational credential	None	Short-term on-the-job training
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	199	240	41	20.6	1.9	30	24	4	58	\$43,730	\$48,200	No formal educational credential	None	Short-term on-the-job training
33-9098	School Bus Monitors and Protective Service Workers, All Other	177	192	15	8.5	0.8	25	20	2	47	\$59,020	\$53,640	High school diploma or equivalent	None	Short-term on-the-job training
35-0000	Food Preparation and Serving Related Occupations	35,438	66,985	31,547	89.0	6.6	3,640	5,149	3,155	11,944	\$41,910	\$33,590			
35-1000	Supervisors of Food Preparation and Serving Workers	3,005	5,852	2,847	94.7	6.9	181	447	285	913	N/A	N/A			
35-1011	Chefs and Head Cooks	771	1,522	751	97.4	7.0	34	112	75	221	\$65,320	\$61,140	High school diploma or equivalent	5 years or more	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	2,234	4,330	2,096	93.8	6.8	146	334	210	690	\$48,040	\$42,500	High school diploma or equivalent	Less than 5 years	None
35-2000	Cooks and Food Preparation Workers	10,922	20,754	9,832	90.0	6.6	992	1,375	983	3,350	N/A	N/A			
35-2011	Cooks, Fast Food	2,331	3,666	1,335	57.3	4.6	176	257	134	567	\$30,680	\$29,900	No formal educational credential	None	Short-term on-the-job training

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Long-Term Occupational Projections															
2020 - 2030															
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		2020	2030	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
35-2012	Cooks, Institution and Cafeteria	980	1,480	500	51.0	4.2	72	105	50	227	\$38,380	\$37,070	No formal educational credential	None	Short-term on-the-job training
35-2013	Cooks, Private Household	124	130	6	4.8	0.5	8	11	1	20	N/A	N/A	Postsecondary non-degree award	Less than 5 years	None
35-2014	Cooks, Restaurant	4,898	11,494	6,596	134.7	8.9	482	702	660	1,844	\$37,040	\$35,200	No formal educational credential	Less than 5 years	Moderate-term on-the-job training
35-2015	Cooks, Short Order	114	204	90	79.0	6.0	9	14	9	32	\$36,540	\$35,420	No formal educational credential	None	Short-term on-the-job training
35-2019	Cooks, All Other	51	90	39	76.5	5.8	4	6	4	14	\$36,050	\$34,200	No formal educational credential	None	Moderate-term on-the-job training
35-2021	Food Preparation Workers	2,424	3,690	1,266	52.2	4.3	240	281	127	648	\$35,950	\$32,560	No formal educational credential	None	Short-term on-the-job training
35-3000	Food and Beverage Serving Workers	15,753	29,547	13,794	87.6	6.5	1,729	2,571	1,379	5,679	N/A	N/A			
35-3011	Bartenders	2,859	5,966	3,107	108.7	7.6	200	535	311	1,046	\$54,320	\$48,880	No formal educational credential	None	Short-term on-the-job training
35-3023	Fast Food and Counter Workers	5,620	10,166	4,546	80.9	6.1	765	834	455	2,054	\$34,450	\$32,120	No formal educational credential	None	Short-term on-the-job training
35-3031	Waiters and Waitresses	6,584	12,483	5,899	89.6	6.6	700	1,138	590	2,428	\$55,200	\$43,840	No formal educational credential	None	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	690	932	242	35.1	3.1	64	63	24	151	\$37,350	\$33,240	No formal educational credential	None	Short-term on-the-job training
35-9000	Other Food Preparation and Serving Related Workers	5,758	10,832	5,074	88.1	6.5	738	756	507	2,001	N/A	N/A			
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	2,004	3,970	1,966	98.1	7.1	258	259	197	714	\$37,780	\$35,050	No formal educational credential	None	Short-term on-the-job training
35-9021	Dishwashers	2,486	4,335	1,839	73.7	5.7	257	286	184	727	\$33,850	\$31,570	No formal educational credential	None	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,230	2,478	1,248	101.5	7.3	220	209	125	554	\$34,830	\$32,120	No formal educational credential	None	Short-term on-the-job training
37-0000	Building and Grounds Cleaning and Maintenance Occupations	22,564	27,293	4,729	21.0	1.9	1,544	1,715	473	3,732	\$38,470	\$35,200			
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	1,702	2,024	322	18.9	1.7	79	129	32	240	N/A	N/A			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,662	1,979	317	19.1	1.8	78	126	32	236	\$47,540	\$43,040	High school diploma or equivalent	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	40	45	5	12.5	1.2	1	3	0	4	N/A	N/A	High school diploma or equivalent	Less than 5 years	None
37-2000	Building Cleaning and Pest Control Workers	19,958	24,232	4,274	21.4	2.0	1,422	1,503	427	3,352	N/A	N/A			
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	12,710	14,452	1,742	13.7	1.3	848	952	174	1,974	\$36,250	\$34,030	No formal educational credential	None	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	6,864	9,347	2,483	36.2	3.1	551	522	248	1,321	\$40,540	\$38,110	No formal educational credential	None	Short-term on-the-job training
37-2019	Building Cleaning Workers, All Other	348	395	47	13.5	1.3	23	26	5	54	\$37,250	\$35,160	No formal educational credential	None	Short-term on-the-job training
37-2021	Pest Control Workers	36	38	2	5.6	0.5	1	4	0	5	\$48,600	\$41,650	High school diploma or equivalent	None	Moderate-term on-the-job training
37-3000	Grounds Maintenance Workers	904	1,037	133	14.7	1.4	42	83	13	138	N/A	N/A			
37-3011	Landscaping and Groundskeeping Workers	849	977	128	15.1	1.4	39	78	13	130	\$41,990	\$37,040	No formal educational credential	None	Short-term on-the-job training
39-0000	Personal Care and Service Occupations	11,176	15,695	4,519	40.4	3.5	863	1,055	452	2,370	\$42,000	\$35,560			
39-1000	Supervisors of Personal Care and Service Workers	473	641	168	35.5	3.1	20	39	17	76	N/A	N/A			
39-1098	First-Line Supervisors of Personal Service & Entertainment and Recreation Workers	472	638	166	35.2	3.1	20	38	17	75	\$54,420	\$51,090	High school diploma or equivalent	Less than 5 years	None
39-2000	Animal Care and Service Workers	391	814	423	108.2	7.6	38	50	42	130	N/A	N/A			
39-2021	Nonfarm Animal Caretakers	371	783	412	111.1	7.8	37	48	41	126	\$38,610	\$36,820	High school diploma or equivalent	None	Short-term on-the-job training
39-3000	Entertainment Attendants and Related Workers	1,082	1,864	782	72.3	5.6	174	154	78	406	N/A	N/A			
39-3031	Ushers, Lobby Attendants, and Ticket Takers	742	1,358	616	83.0	6.2	133	107	62	302	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	278	399	121	43.5	3.7	33	38	12	83	\$33,640	\$30,610	No formal educational credential	None	Short-term on-the-job training
39-3092	Costume Attendants	32	61	29	90.6	6.7	4	5	3	12	\$48,350	\$46,580	High school diploma or equivalent	None	Short-term on-the-job training
39-4000	Funeral Service Workers	65	84	19	29.2	2.6	4	6	2	12	N/A	N/A			
39-4021	Funeral Attendants	39	49	10	25.6	2.3	2	3	1	6	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training
39-5000	Personal Appearance Workers	1,215	2,202	987	81.2	6.1	88	94	99	281	N/A	N/A			
39-5011	Barbers	90	166	76	84.4	6.3	5	7	8	20	\$32,030	\$30,840	Postsecondary non-degree award	None	None
39-5012	Hairdressers, Hairstylists, and Cosmetologists	773	1,421	648	83.8	6.3	58	61	65	184	\$42,270	\$33,710	Postsecondary non-degree award	None	None
39-5091	Makeup Artists, Theatrical and Performance	48	53	5	10.4	1.0	3	3	0	6	\$110,850	\$102,870	Postsecondary non-degree award	None	None
39-5092	Manicurists and Pedicurists	92	180	88	95.7	6.9	7	7	9	23	N/A	N/A	Postsecondary non-degree award	None	None
39-5093	Shampooers	79	143	64	81.0	6.1	6	6	6	18	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
39-5094	Skincare Specialists	133	239	106	79.7	6.0	10	10	11	31	\$51,660	\$43,320	Postsecondary non-degree award	None	None
39-6000	Baggage Porters, Bellhops, and Concierges	1,881	2,951	1,070	56.9	4.6	125	185	107	417	N/A	N/A			
39-6011	Baggage Porters and Bellhops	501	862	361	72.1	5.6	35	52	36	123	\$37,830	\$33,440	High school diploma or equivalent	None	Short-term on-the-job training
39-6012	Concierges	1,380	2,089	709	51.4	4.2	90	133	71	294	\$35,890	\$33,050	High school diploma or equivalent	None	Moderate-term on-the-job training
39-7000	Tour and Travel Guides	85	102	17	20.0	1.8	6	9	2	17	N/A	N/A			
39-7010	Tour and Travel Guides	85	102	17	20.0	1.8	6	9	2	17	\$47,680	\$43,210	High school diploma or equivalent	None	Moderate-term on-the-job training
39-9000	Other Personal Care and Service Workers	5,984	7,037	1,053	17.6	1.6	408	520	105	1,033	N/A	N/A			
39-9011	Childcare Workers	3,592	3,868	276	7.7	0.7	251	261	28	540	\$37,760	\$35,610	High school diploma or equivalent	None	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	1,085	1,674	589	54.3	4.4	81	131	59	271	\$57,790	\$52,220	High school diploma or equivalent	None	Short-term on-the-job training
39-9032	Recreation Workers	576	678	102	17.7	1.6	37	60	10	107	\$51,220	\$48,210	High school diploma or equivalent	None	Short-term on-the-job training
39-9041	Residential Advisors	696	775	79	11.4	1.1	37	66	8	111	\$38,810	\$32,850	High school diploma or equivalent	None	Short-term on-the-job training
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	35	42	7	20.0	1.8	2	3	1	6	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training
41-0000	Sales and Related Occupations	25,435	29,764	4,329	17.0	1.6	1,420	2,202	433	4,055	\$58,790	\$39,000			
41-1000	Supervisors of Sales Workers	2,265	2,670	405	17.9	1.7	84	166	40	290	N/A	N/A			
41-1011	First-Line Supervisors of Retail Sales Workers	1,718	2,097	379	22.1	2.0	67	132	38	237	\$58,890	\$48,530	High school diploma or equivalent	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	547	573	26	4.8	0.5	16	33	3	52	\$101,230	\$82,330	High school diploma or equivalent	Less than 5 years	None
41-2000	Retail Sales Workers	12,556	15,367	2,811	22.4	2.0	987	1,238	281	2,506	N/A	N/A			
41-2011	Cashiers	6,669	8,213	1,544	23.2	2.1	633	712	154	1,499	\$32,940	\$31,580	No formal educational credential	None	Short-term on-the-job training
41-2021	Counter and Rental Clerks	854	962	108	12.7	1.2	41	62	11	114	\$40,650	\$39,580	No formal educational credential	None	Short-term on-the-job training
41-2022	Parts Salespersons	69	72	3	4.4	0.4	3	5	0	8	\$37,350	\$32,640	No formal educational credential	None	Moderate-term on-the-job training
41-2031	Retail Salespersons	4,964	6,120	1,156	23.3	2.1	310	458	116	884	\$37,680	\$32,470	No formal educational credential	None	Short-term on-the-job training
41-3000	Sales Representatives, Services	5,899	6,665	776	13.2	1.2	170	497	78	745	N/A	N/A			
41-3011	Advertising Sales Agents	944	928	-16	-1.7	-0.2	28	87	-2	113	\$81,390	\$56,800	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	487	534	47	9.7	0.9	17	29	5	51	\$101,790	\$78,470	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,444	1,521	77	5.3	0.5	33	93	8	134	\$113,480	\$79,830	Bachelor's degree	None	Moderate-term on-the-job training
41-3041	Travel Agents	287	312	25	8.7	0.8	15	20	2	37	\$54,470	\$51,390	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial, and Real Estate Services	2,727	3,370	643	23.6	2.1	76	268	64	408	\$78,600	\$68,490	High school diploma or equivalent	None	Moderate-term on-the-job training
41-4000	Sales Representatives, Wholesale and Manufacturing	1,765	1,921	156	8.8	0.9	54	125	16	195	N/A	N/A			
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	615	663	48	7.8	0.8	19	43	5	67	\$90,720	\$77,130	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,150	1,258	108	9.4	0.9	36	81	11	128	\$71,950	\$57,830	High school diploma or equivalent	None	Moderate-term on-the-job training
41-9000	Other Sales and Related Workers	2,960	3,141	181	6.1	0.6	126	177	18	321	N/A	N/A			
41-9011	Demonstrators and Product Promoters	176	215	39	22.2	2.0	22	13	4	39	\$47,670	\$37,250	No formal educational credential	None	Short-term on-the-job training

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Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		2020	2030	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
41-9021	Real Estate Brokers	352	371	19	5.4	0.5	15	16	2	33	\$112,550	\$114,260	High school diploma or equivalent	Less than 5 years	None
41-9022	Real Estate Sales Agents	1,473	1,500	27	1.8	0.2	62	65	3	130	\$64,420	\$49,490	High school diploma or equivalent	None	Moderate-term on-the-job training
41-9031	Sales Engineers	731	816	85	11.6	1.1	15	64	8	87	\$136,960	\$147,440	Bachelor's degree	None	Moderate-term on-the-job training
41-9041	Telemarketers	76	69	-7	-9.2	-1.0	3	7	-1	9	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	49	32	-17	-34.7	-4.2	3	2	-2	3	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	103	138	35	34.0	3.0	6	10	4	20	N/A	N/A	High school diploma or equivalent	None	None
43-0000	Office and Administrative Support Occupations	70,993	69,093	-1,900	-2.7	-0.3	3,420	4,309	-190	7,539	\$55,900	\$51,270			
43-1000	Supervisors of Office and Administrative Support Workers	4,014	4,084	70	1.7	0.2	150	247	7	404	N/A	N/A			
43-1011	First-Line Supervisors of Office and Administrative Support Workers	4,014	4,084	70	1.7	0.2	150	247	7	404	\$83,260	\$77,960	High school diploma or equivalent	Less than 5 years	None
43-2000	Communications Equipment Operators	657	525	-132	-20.1	-2.2	30	39	-13	56	N/A	N/A			
43-2011	Switchboard Operators, Including Answering Service	160	137	-23	-14.4	-1.5	8	9	-2	15	\$46,880	\$44,760	High school diploma or equivalent	None	Short-term on-the-job training
43-2021	Telephone Operators	493	384	-109	-22.1	-2.5	22	30	-11	41	\$45,770	\$45,070	High school diploma or equivalent	None	Short-term on-the-job training
43-3000	Financial Clerks	5,417	5,352	-65	-1.2	-0.1	266	304	-6	564	N/A	N/A			
43-3011	Bill and Account Collectors	256	247	-9	-3.5	-0.4	9	18	-1	26	\$70,560	\$72,630	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3021	Billing and Posting Clerks	838	849	11	1.3	0.1	35	52	1	88	\$63,980	\$62,100	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	2,796	2,916	120	4.3	0.4	167	146	12	325	\$57,950	\$57,240	Some college, no degree	None	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	301	272	-29	-9.6	-1.0	14	16	-3	27	\$64,050	\$63,090	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3061	Procurement Clerks	360	351	-9	-2.5	-0.3	10	22	-1	31	\$60,520	\$58,290	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3071	Tellers	799	644	-155	-19.4	-2.1	29	45	-16	58	\$38,060	\$37,200	High school diploma or equivalent	None	Short-term on-the-job training
43-3099	Financial Clerks, All Other	67	63	-4	-6.0	-0.9	2	5	1	8	\$53,670	\$56,940	High school diploma or equivalent	None	Short-term on-the-job training
43-4000	Information and Record Clerks	17,544	18,525	981	5.6	0.5	876	1,323	98	2,297	N/A	N/A			
43-4011	Brokerage Clerks	120	115	-5	-4.2	-0.4	5	8	0	13	\$64,960	\$60,860	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4051	Customer Service Representatives	7,006	7,349	343	4.9	0.5	337	564	34	935	\$47,510	\$44,190	High school diploma or equivalent	None	Short-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	669	731	62	9.3	0.9	26	36	6	68	\$67,920	\$67,630	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4071	File Clerks	290	262	-28	-9.7	-1.0	15	17	-3	29	\$51,270	\$48,470	High school diploma or equivalent	None	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	942	1,455	513	54.5	4.4	70	127	51	248	\$41,690	\$42,860	High school diploma or equivalent	None	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	635	633	-2	-0.3	0.0	37	41	0	78	\$50,050	\$46,420	High school diploma or equivalent	None	Short-term on-the-job training
43-4121	Library Assistants, Clerical	306	309	3	1.0	0.1	27	20	0	47	\$44,710	\$43,490	High school diploma or equivalent	None	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	193	180	-13	-6.7	-0.7	5	11	-1	15	\$44,080	\$30,700	High school diploma or equivalent	None	Short-term on-the-job training
43-4141	New Accounts Clerks	62	49	-13	-21.0	-2.3	2	4	-1	5	\$52,840	\$48,650	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4151	Order Clerks	66	56	-10	-15.2	-1.6	3	4	-1	6	\$43,790	\$41,690	Some college, no degree	None	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	688	665	-23	-3.3	-0.3	26	41	-2	65	\$57,320	\$56,280	Associate's degree	None	None
43-4171	Receptionists and Information Clerks	3,482	3,651	169	4.9	0.5	199	246	17	462	\$43,240	\$39,710	High school diploma or equivalent	None	Short-term on-the-job training
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	221	271	50	22.6	2.1	9	18	5	32	\$40,050	\$35,700	High school diploma or equivalent	None	Short-term on-the-job training
43-4199	Information and Record Clerks, All Other	2,795	2,726	-69	-2.5	-0.2	113	182	-7	288	\$61,590	\$61,520	High school diploma or equivalent	None	Short-term on-the-job training
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	4,125	3,949	-176	-4.3	-0.4	157	196	-18	335	N/A	N/A			
43-5021	Couriers and Messengers	525	419	-106	-20.2	-2.2	19	26	-11	34	N/A	N/A	High school diploma or equivalent	None	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	95	104	9	9.5	0.9	4	6	1	11	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	703	710	7	1.0	0.1	25	40	1	66	\$55,160	\$51,140	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5051	Postal Service Clerks	148	136	-12	-8.1	-0.8	6	5	-1	10	\$48,270	\$44,250	High school diploma or equivalent	None	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	1,043	965	-78	-7.5	-0.8	35	36	-8	63	\$53,240	\$54,300	High school diploma or equivalent	None	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	531	465	-66	-12.4	-1.3	27	16	-7	36	\$54,340	\$61,610	High school diploma or equivalent	None	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	444	494	50	11.3	1.1	17	30	5	52	\$56,700	\$52,410	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	557	548	-9	-1.6	-0.2	20	32	-1	51	\$53,440	\$54,670	High school diploma or equivalent	None	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	61	89	28	45.9	3.8	3	4	3	10	\$35,560	\$31,420	High school diploma or equivalent	None	Short-term on-the-job training
43-6000	Secretaries and Administrative Assistants	24,284	21,722	-2,562	-10.5	-1.1	1,170	1,284	-254	2,200	N/A	N/A			
43-6011	Executive Secretaries and Executive Administrative Assistants	5,652	4,695	-957	-16.9	-1.8	263	289	-96	456	\$75,110	\$73,260	High school diploma or equivalent	Less than 5 years	None
43-6012	Legal Secretaries	2,769	2,163	-606	-21.9	-2.4	126	138	-61	203	\$87,600	\$91,950	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6013	Medical Secretaries	1,227	1,329	102	8.3	0.8	65	71	10	146	\$47,110	\$44,400	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	14,616	13,535	-1,081	-7.4	-0.8	716	786	-108	1,394	\$50,210	\$48,580	High school diploma or equivalent	None	Short-term on-the-job training
43-9000	Other Office and Administrative Support Workers	14,972	14,936	-36	-0.2	0.0	770	915	-4	1,681	N/A	N/A			
43-9021	Data Entry Keyers	345	272	-73	-21.2	-2.3	14	20	-7	27	\$43,320	\$40,010	High school diploma or equivalent	None	Short-term on-the-job training
43-9022	Word Processors and Typists	235	150	-85	-36.2	-4.4	12	10	-8	14	\$56,440	\$53,630	High school diploma or equivalent	None	Short-term on-the-job training
43-9031	Desktop Publishers	126	91	-35	-27.8	-3.2	4	8	-4	8	N/A	N/A	Associate's degree	None	Short-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	419	431	12	2.9	0.3	15	25	1	41	\$58,500	\$56,560	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	667	659	-8	-1.2	-0.1	34	42	-1	75	\$47,390	\$47,140	High school diploma or equivalent	None	Short-term on-the-job training
43-9061	Office Clerks, General	10,653	10,758	105	1.0	0.1	584	635	10	1,229	\$47,690	\$44,270	High school diploma or equivalent	None	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	340	326	-14	-4.1	-0.4	17	20	-1	36	\$41,820	\$38,580	High school diploma or equivalent	None	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	90	91	1	1.1	0.1	6	6	0	12	\$55,960	\$53,120	Bachelor's degree	None	None
43-9111	Statistical Assistants	137	179	42	30.7	2.7	4	14	4	22	\$61,580	\$61,090	Bachelor's degree	None	None
43-9199	Office and Administrative Support Workers, All Other	1,960	1,979	19	1.0	0.1	81	136	2	219	\$58,690	\$48,670	High school diploma or equivalent	None	Short-term on-the-job training
45-0000	Farming, Fishing, and Forestry Occupations	291	354	63	21.7	2.0	14	37	6	57	\$48,620	\$46,380			
45-2000	Agricultural Workers	268	329	61	22.8	2.1	13	34	6	53	N/A	N/A			
45-2011	Agricultural Inspectors	72	67	-5	-6.9	-0.7	4	10	3	17	N/A	N/A	Bachelor's degree	None	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	48	65	19	39.6	3.4	2	7	2	11	\$44,450	\$44,860	No formal educational credential	None	Short-term on-the-job training
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	135	144	9	6.7	0.6	6	16	1	23	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
47-0000	Construction and Extraction Occupations	14,214	15,539	1,325	9.3	0.9	442	1,015	132	1,589	\$62,580	\$57,850			
47-1000	Supervisors of Construction and Extraction Workers	1,818	1,975	157	8.6	0.8	54	123	16	193	N/A	N/A			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,818	1,975	157	8.6	0.8	54	123	16	193	\$95,920	\$91,880	High school diploma or equivalent	5 years or more	None
47-2000	Construction Trades Workers	11,095	12,217	1,122	10.1	1.0	339	790	112	1,241	N/A	N/A			
47-2021	Brickmasons and Blockmasons	87	85	-2	-2.3	-0.2	3	5	0	8	\$69,280	\$71,260	High school diploma or equivalent	None	Apprenticeship
47-2022	Stonemasons	36	36	0	0.0	0.0	1	2	0	3	\$59,760	\$59,020	High school diploma or equivalent	None	Apprenticeship
47-2031	Carpenters	1,409	1,539	130	9.2	0.9	43	92	13	148	\$58,300	\$57,950	High school diploma or equivalent	None	Apprenticeship
47-2044	Tile and Marble Setters	75	90	15	20.0	1.8	2	5	2	9	\$37,470	\$36,920	No formal educational credential	None	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	454	467	13	2.9	0.3	11	30	1	42	\$51,380				

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Long-Term Occupational Projections															
2020 - 2030															
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		2020	2030	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
47-2061	Construction Laborers	3,574	4,050	476	13.3	1.3	113	257	48	418	\$42,530	\$39,970	No formal educational credential	None	Short-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	105	119	14	13.3	1.3	4	8	1	13	\$55,100	\$54,720	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2072	Pile-Driver Operators	74	79	5	6.8	0.7	2	6	0	8	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	510	568	58	11.4	1.1	18	39	6	63	\$62,290	\$61,340	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	114	125	11	9.7	0.9	3	7	1	11	\$52,960	\$52,410	No formal educational credential	None	Moderate-term on-the-job training
47-2082	Tapers	34	35	1	2.9	0.3	1	2	0	3	N/A	N/A	No formal educational credential	None	Moderate-term on-the-job training
47-2111	Electricians	1,429	1,590	161	11.3	1.1	44	111	16	171	\$79,030	\$84,450	High school diploma or equivalent	None	Apprenticeship
47-2121	Glaziers	499	537	38	7.6	0.7	14	40	4	58	\$53,450	\$53,000	High school diploma or equivalent	None	Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	83	89	6	7.2	0.7	2	6	1	9	\$59,600	\$62,340	No formal educational credential	None	Short-term on-the-job training
47-2132	Insulation Workers, Mechanical	36	37	1	2.8	0.3	1	2	0	3	\$55,970	\$53,740	High school diploma or equivalent	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	470	523	53	11.3	1.1	15	28	5	48	\$57,760	\$58,110	No formal educational credential	None	Moderate-term on-the-job training
47-2151	Pipelayers	126	131	5	4.0	0.4	4	9	0	13	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	1,104	1,176	72	6.5	0.6	33	82	7	122	\$73,300	\$73,280	High school diploma or equivalent	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	43	47	4	9.3	0.9	1	2	0	3	\$58,010	\$61,060	No formal educational credential	None	Long-term on-the-job training
47-2171	Reinforcing Iron and Rebar Workers	316	342	26	8.2	0.8	10	20	3	33	\$53,560	\$55,040	High school diploma or equivalent	None	Apprenticeship
47-2181	Roofers	42	46	4	9.5	0.9	1	3	0	4	\$51,050	\$50,010	No formal educational credential	None	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	269	278	9	3.4	0.3	7	18	1	26	\$71,180	\$70,140	High school diploma or equivalent	None	Apprenticeship
47-2221	Structural Iron and Steel Workers	163	178	15	9.2	0.9	4	13	2	19	\$64,390	\$64,840	High school diploma or equivalent	None	Apprenticeship
47-3000	Helpers, Construction Trades	483	496	13	2.7	0.3	14	43	1	58	N/A	N/A			
47-3012	Helpers--Carpenters	117	117	0	0.0	0.0	3	10	0	13	\$41,120	\$39,620	No formal educational credential	None	Short-term on-the-job training
47-3013	Helpers--Electricians	295	303	8	2.7	0.3	9	26	1	36	\$40,550	\$37,870	High school diploma or equivalent	None	Short-term on-the-job training
47-4000	Other Construction and Related Workers	737	763	26	3.5	0.3	33	52	3	88	N/A	N/A			
47-4011	Construction and Building Inspectors	381	377	-4	-1.1	-0.1	21	23	0	44	\$87,190	\$86,650	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	181	195	14	7.7	0.7	7	15	1	23	\$43,390	\$39,390	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	36	40	4	11.1	1.1	2	2	0	4	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4061	Rail-Track Laying and Maintenance Equipment Operators	53	58	5	9.4	0.9	1	4	0	5	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4090	Miscellaneous Construction and Related Workers	44	46	2	4.6	0.4	1	4	0	5	\$60,660	\$59,260	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5000	Extraction Workers	81	88	7	8.6	0.8	3	7	1	11	N/A	N/A			
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mini	56	61	5	8.9	0.9	2	5	0	7	\$48,750	\$52,210	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
49-0000	Installation, Maintenance, and Repair Occupations	8,596	9,823	1,227	14.3	1.3	301	586	123	1,010	\$60,720	\$57,840			
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	464	512	48	10.3	1.0	14	29	5	48	N/A	N/A			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	464	512	48	10.3	1.0	14	29	5	48	\$82,160	\$82,740	High school diploma or equivalent	Less than 5 years	None
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	963	1,093	130	13.5	1.3	32	70	13	115	N/A	N/A			
49-2011	Computer, Automated Teller, and Office Machine Repairers	66	80	14	21.2	1.9	2	6	1	9	\$65,920	\$48,630	Some college, no degree	None	Short-term on-the-job training
49-2022	Telecommunications Equipment Installers and Repairers, Except Line In	483	557	74	15.3	1.4	18	40	7	65	\$87,260	\$92,660	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-2091	Avionics Technicians	92	126	34	37.0	3.2	3	5	3	11	N/A	N/A	Associate's degree	None	None
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipm	178	176	-2	-1.1	-0.1	5	9	0	14	\$91,980	\$84,920	Postsecondary non-degree award	None	Long-term on-the-job training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relat	45	46	1	2.2	0.2	1	2	0	3	N/A	N/A	Postsecondary non-degree award	Less than 5 years	Moderate-term on-the-job training
49-2098	Security and Fire Alarm Systems Installers	98	107	9	9.2	0.9	2	8	1	11	\$69,670	\$64,980	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	865	922	57	6.6	0.6	27	62	6	95	N/A	N/A			
49-3021	Automotive Body and Related Repairers	49	55	6	12.2	1.2	2	3	1	6	\$49,120	\$45,290	High school diploma or equivalent	None	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	505	506	1	0.2	0.0	15	34	0	49	\$64,640	\$65,420	Postsecondary non-degree award	None	Short-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	98	100	2	2.0	0.2	3	6	0	9	\$59,540	\$58,480	High school diploma or equivalent	None	Long-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	96	110	14	14.6	1.4	3	7	1	11	\$65,500	\$65,000	High school diploma or equivalent	None	Long-term on-the-job training
49-3091	Bicycle Repairers	82	111	29	35.4	3.1	3	8	3	14	\$35,860	\$35,820	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3093	Tire Repairers and Changers	34	38	4	11.8	1.1	1	3	0	4	\$33,590	\$30,500	High school diploma or equivalent	None	Short-term on-the-job training
49-9000	Other Installation, Maintenance, and Repair Occupations	6,304	7,296	992	15.7	1.5	229	426	99	754	N/A	N/A			
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	31	32	1	3.2	0.3	1	2	0	3	\$83,510	\$83,060	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	297	314	17	5.7	0.6	8	21	2	31	\$73,460	\$72,380	Postsecondary non-degree award	None	Long-term on-the-job training
49-9031	Home Appliance Repairers	30	31	1	3.3	0.3	1	2	0	3	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	220	248	28	12.7	1.2	7	13	3	23	\$69,590	\$73,500	High school diploma or equivalent	None	Long-term on-the-job training
49-9043	Maintenance Workers, Machinery	34	38	4	11.8	1.1	1	2	0	3	\$61,640	\$60,260	High school diploma or equivalent	None	Long-term on-the-job training
49-9044	Millwrights	66	76	10	15.2	1.4	2	4	1	7	N/A	N/A	High school diploma or equivalent	None	Apprenticeship
49-9051	Electrical Power-Line Installers and Repairers	218	240	22	10.1	1.0	4	15	2	21	\$56,440	\$53,250	High school diploma or equivalent	None	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	446	505	59	13.2	1.3	11	40	6	57	\$76,490	\$80,670	High school diploma or equivalent	None	Long-term on-the-job training
49-9062	Medical Equipment Repairers	45	48	3	6.7	0.6	2	3	0	5	\$60,790	\$53,480	Associate's degree	None	Moderate-term on-the-job training
49-9071	Maintenance and Repair Workers, General	4,323	4,990	667	15.4	1.4	164	272	67	503	\$52,470	\$49,360	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9094	Locksmiths and Safe Repairers	53	47	-6	-11.3	-1.2	2	3	-1	4	\$64,250	\$67,230	High school diploma or equivalent	None	Long-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	372	554	182	48.9	4.1	20	39	18	77	\$47,130	\$41,100	High school diploma or equivalent	None	Short-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	98	103	5	5.1	0.5	4	7	0	11	\$53,680	\$54,080	High school diploma or equivalent	None	Moderate-term on-the-job training
51-0000	Production Occupations	5,406	6,571	1,165	21.6	2.0	266	435	116	817	\$58,600	\$50,710			
51-1000	Supervisors of Production Workers	292	318	26	8.9	0.9	9	20	3	32	N/A	N/A			
51-1011	First-Line Supervisors of Production and Operating Workers	292	318	26	8.9	0.9	9	20	3	32	\$86,440	\$88,930	High school diploma or equivalent	Less than 5 years	None
51-2000	Assemblers and Fabricators	187	204	17	9.1	0.9	6	14	2	22	N/A	N/A			
51-2041	Structural Metal Fabricators and Fitters	70	83	-7	-10.0	-1.0	2	5	-1	6	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2090	Miscellaneous Assemblers and Fabricators	113	137	24	21.2	1.9	5	9	2	16	\$38,550	\$31,520	High school diploma or equivalent	None	Moderate-term on-the-job training
51-3000	Food Processing Workers	958	1,619	661	69.0	5.4	64	96	66	226	N/A	N/A			
51-3011	Bakers	536	978	442	82.5	6.2	42	57	44	143	\$37,930	\$35,320	No formal educational credential	None	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	178	219	41	23.0	2.1	8	15	4	27	\$47,470	\$45,270	No formal educational credential	None	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	178	343	165	92.7	6.8	11	19	16	46	\$35,160	\$32,740	No formal educational credential	None	Short-term on-the-job training
51-3092	Food Batchmakers	44	54	10	22.7	2.1	2	4	1	7	\$33,680	\$31,250	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4000	Metal Workers and Plastic Workers	323	341	18	5.6	0.5	10	24	2	36	N/A	N/A			
51-4041	Machinists	53	52	-1	-1.9	-0.2	2	4	0	6	N/A	N/A	High school diploma or equivalent	None	Long-term on-the-job training
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Te	54	55	1	1.9	0.2	2	4	0	6	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plas	34	38	4	11.8	1.1	1	2	0	3	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	141	155	14	9.9	1.0	4	12	1	17	\$64,270	\$64,870	High school diploma or equivalent	None	Moderate-term on-the-job training

District of Columbia															
Long-Term Occupational Projections															
2020 - 2030															
Occupational Code	Occupational Title	Employment		Change in Employment			Annual Openings Due To *				Wages**		Education, Experience, and Training		
		2020	2030	Numerical	Percent	Percent annual	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings	Annual Mean	Annual Median	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency
51-5100	Printing Workers	1,137	1,115	-22	-1.9	-0.2	45	84	-2	127	N/A	N/A			
51-5111	Prepress Technicians and Workers	293	280	-13	-4.4	-0.5	11	28	-1	38	\$89,260	\$85,980	Postsecondary non-degree award	None	None
51-5112	Printing Press Operators	548	548	0	0.0	0.0	20	39	0	59	\$90,440	\$98,900	High school diploma or equivalent	None	Moderate-term on-the-job training
51-5113	Print Binding and Finishing Workers	296	287	-9	-3.0	-0.3	14	18	-1	31	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6000	Textile, Apparel, and Furnishings Workers	782	1,113	331	42.3	3.6	61	61	33	155	N/A	N/A			
51-6011	Laundry and Dry-Cleaning Workers	532	833	301	56.6	4.6	44	46	30	120	\$36,680	\$31,890	No formal educational credential	None	Short-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	102	103	1	1.0	0.1	6	7	0	13	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	92	111	19	20.7	1.9	8	5	2	15	\$48,370	\$49,680	No formal educational credential	None	Moderate-term on-the-job training
51-7000	Woodworkers	75	79	4	5.3	0.5	3	5	0	8	N/A	N/A			
51-7011	Cabinetmakers and Bench Carpenters	34	33	-1	-2.9	-0.3	1	2	0	3	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	32	36	4	12.5	1.2	1	2	0	3	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-8000	Plant and System Operators	1,009	1,079	70	6.9	0.7	41	73	7	121	N/A	N/A			
51-8021	Stationary Engineers and Boiler Operators	576	652	76	13.2	1.2	30	44	8	82	\$77,990	\$79,090	High school diploma or equivalent	None	Long-term on-the-job training
51-8031	Water and Wastewater Treatment Plant and System Operators	207	209	2	1.0	0.1	6	13	0	19	N/A	N/A	High school diploma or equivalent	None	Long-term on-the-job training
51-8099	Plant and System Operators, All Other	182	177	-5	-2.8	-0.3	4	14	0	18	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9000	Other Production Occupations	643	703	60	9.3	0.9	27	56	6	89	N/A	N/A			
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	83	75	-8	-9.6	-1.0	3	6	-1	8	\$64,740	\$61,880	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	79	91	12	15.2	1.4	4	6	1	11	\$35,560	\$34,460	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9151	Photographic Process Workers and Processing Machine Operators	155	179	24	15.5	1.5	8	18	2	28	\$38,160	\$37,130	High school diploma or equivalent	None	Short-term on-the-job training
51-9162	Computer Numerically Controlled Tool Programmers	38	50	12	31.6	2.8	2	3	1	6	N/A	N/A	Postsecondary non-degree award	None	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	68	68	0	0.0	0.0	3	6	0	9	\$31,430	\$29,890	High school diploma or equivalent	None	Short-term on-the-job training
51-9199	Production Workers, All Other	83	84	1	1.2	0.1	3	6	0	9	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
53-0000	Transportation and Material Moving Occupations	16,939	20,859	3,920	23.1	2.1	1,046	1,403	392	2,841	\$49,900	\$40,970			
53-1000	Supervisors of Transportation and Material Moving Workers	784	998	214	27.3	2.4	32	62	21	115	N/A	N/A			
53-1047	FirstLine Supervisors of Transportation & Material Moving Workers, Except	783	997	214	27.3	2.4	32	62	21	115	\$67,840	\$64,560	High school diploma or equivalent	Less than 5 years	None
53-2000	Air Transportation Workers	709	721	12	1.7	0.2	19	49	1	69	N/A	N/A			
53-2021	Air Traffic Controllers	694	703	9	1.3	0.1	18	48	1	67	\$83,810	\$25,500	Associate's degree	None	Long-term on-the-job training
53-3000	Motor Vehicle Operators	7,420	8,954	1,534	20.7	1.9	515	472	153	1,140	N/A	N/A			
53-3031	Driver/Sales Workers	785	1,489	704	89.7	6.6	47	77	70	194	\$35,950	\$32,680	High school diploma or equivalent	None	Short-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	745	853	108	14.5	1.4	33	54	11	98	\$55,360	\$53,450	Postsecondary non-degree award	None	Short-term on-the-job training
53-3033	Light Truck or Delivery Services Drivers	846	1,047	201	23.8	2.2	39	64	20	123	\$42,810	\$40,100	High school diploma or equivalent	None	Short-term on-the-job training
53-3052	Bus Drivers, Transit and Intercity	1,785	1,832	47	2.6	0.3	119	90	5	214	\$41,640	\$40,490	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	1,946	2,290	344	17.7	1.6	139	105	34	278	\$41,730	\$38,130	No formal educational credential	None	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	1,301	1,431	130	10.0	1.0	138	80	13	231	\$59,530	\$61,600	No formal educational credential	None	Short-term on-the-job training
53-5000	Water Transportation Workers	54	86	32	59.3	4.8	2	6	3	11	N/A	N/A			
53-6000	Other Transportation Workers	3,341	4,213	872	26.1	2.3	212	328	87	627	N/A	N/A			
53-6021	Parking Lot Attendants	1,554	2,319	765	49.2	4.1	94	200	76	370	\$31,700	\$31,190	No formal educational credential	None	Short-term on-the-job training
53-6031	Automotive and Watercraft Service Attendants	32	36	4	12.5	1.2	2	3	0	5	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
53-6041	Traffic Technicians	153	168	15	9.8	0.9	7	14	2	23	N/A	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
53-6051	Transportation Inspectors	325	323	-2	-0.6	-0.1	11	24	0	35	\$110,870	\$121,320	High school diploma or equivalent	None	Moderate-term on-the-job training
53-6061	Transportation Attendants, Except Flight Attendants	819	906	87	10.6	1.0	77	46	9	132	\$48,180	\$49,120	High school diploma or equivalent	None	Short-term on-the-job training
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	458	461	3	0.7	0.1	21	41	0	62	\$48,140	\$40,890	High school diploma or equivalent	None	Short-term on-the-job training
53-7000	Material Moving Workers	4,630	5,884	1,254	27.1	2.4	266	487	125	878	N/A	N/A			
53-7021	Crane and Tower Operators	31	34	3	9.7	0.9	1	2	0	3	\$80,250	\$80,270	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	61	64	3	4.9	0.5	2	5	0	7	\$56,110	\$58,600	No formal educational credential	None	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	185	214	29	15.7	1.5	10	18	3	31	\$39,450	\$39,540	No formal educational credential	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,222	1,578	356	29.1	2.6	61	122	36	219	\$44,820	\$42,180	No formal educational credential	None	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	134	141	7	5.2	0.5	8	11	1	20	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
53-7065	Stockers and Order Fillers	2,342	3,117	775	33.1	2.9	155	266	78	499	\$39,600	\$35,000	High school diploma or equivalent	None	Short-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	593	670	77	13.0	1.2	27	57	8	92	N/A	N/A	No formal educational credential	None	Short-term on-the-job training
53-7199	Material Moving Workers, All Other	62	65	3	5.8	0.6	2	5	0	7	\$54,590	\$55,140	No formal educational credential	None	Short-term on-the-job training

N/A: Not Available

* Total Openings: Sum of Exits, Transfers, and Numerical Change

** Wages: Bureau of Labor Statistics, Occupational Employment and Wage Statistics (OEWS) May 2020 District of Columbia Occupational Employment and Wage Estimates

Exits: the projected number of workers leaving an occupation and exiting the labor force entirely.

Transfers: the projected number of workers leaving an occupation and transferring to a different occupation.

Note: Occupation subtotals may not add to the totals due to the suppression of data

Source: DOES - LMI