

**DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS: 2016 - 2018\***

Soccode	Occupational Title	Employment		Change 2016-2018		Average Annual Openings			Annual Median Wage**	Education Value	Work Experience	Job Training
		2016	2018	Numeric	Percent	Replacement	Growth	Total				
<b>00-0000</b>	<b>Total, All Occupations</b>	<b>780,245</b>	<b>803,949</b>	<b>23,704</b>	<b>3.04</b>	<b>16,402</b>	<b>12,088</b>	<b>28,490</b>	<b>\$67,029</b>			
<b>11-0000</b>	<b>Management Occupations</b>	<b>105,631</b>	<b>108,130</b>	<b>2,499</b>	<b>2.37</b>	<b>2,310</b>	<b>1,250</b>	<b>3,560</b>	<b>\$133,077</b>			
11-1011	Chief Executives	3,350	3,370	20	0.6	56	10	66	\$199,656	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	30,474	31,299	825	2.71	716	412	1,128	\$135,824	Bachelor's degree	5 years or more	None
11-2011	Advertising and Promotions Managers	242	249	7	2.89	8	4	12	\$103,300	Bachelor's degree	Less than 5 years	None
11-2021	Marketing Managers	1,325	1,374	49	3.7	30	24	54	\$152,130	Bachelor's degree	5 years or more	None
11-2022	Sales Managers	1,202	1,231	29	2.41	26	14	40	\$117,190	Bachelor's degree	Less than 5 years	None
11-2031	Public Relations and Fundraising Managers	4,441	4,518	77	1.73	144	38	182	\$148,843	Bachelor's degree	5 years or more	None
11-3011	Administrative Services Managers	1,826	1,875	49	2.68	30	24	54	\$100,781	Bachelor's degree	Less than 5 years	None
11-3021	Computer and Information Systems Managers	4,312	4,432	120	2.78	38	60	98	\$152,813	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	8,588	8,799	211	2.46	188	106	294	\$142,434	Bachelor's degree	5 years or more	None
11-3051	Industrial Production Managers	42	42	0	0	1	0	1	\$100,239	Bachelor's degree	5 years or more	None
11-3061	Purchasing Managers	2,255	2,266	11	0.49	46	6	52	\$129,905	Bachelor's degree	5 years or more	None
11-3071	Transportation, Storage, and Distribution Managers	526	535	9	1.71	10	4	14	\$135,839	HS or EQ	5 years or more	None
11-3111	Compensation and Benefits Managers	120	123	3	2.5	4	2	6	\$133,779	Bachelor's degree	5 years or more	None
11-3121	Human Resources Managers	1,780	1,828	48	2.7	50	24	74	\$145,851	Bachelor's degree	5 years or more	None
11-3131	Training and Development Managers	290	297	7	2.41	8	4	12	\$131,954	Bachelor's degree	5 years or more	None
11-9021	Construction Managers	1,076	1,110	34	3.16	16	17	33	\$108,291	Bachelor's degree	None	Moderate-term OJT
11-9031	Education Administrators, Preschool and Childcare Center/Program	304	313	9	2.96	9	4	13	\$54,914	Bachelor's degree	Less than 5 years	None
11-9032	Education Administrators, Elementary and Secondary School	1,281	1,342	61	4.76	38	30	68	\$100,524	Master's degree	5 years or more	None
11-9033	Education Administrators, Postsecondary	1,801	1,912	111	6.16	53	56	109	\$92,444	Master's degree	Less than 5 years	None
11-9039	Education Administrators, All Other	784	814	30	3.83	23	15	38	\$97,707	Bachelor's degree	Less than 5 years	None
11-9041	Architectural and Engineering Managers	2,087	2,141	54	2.59	56	27	83	\$140,725	Bachelor's degree	5 years or more	None
11-9051	Food Service Managers	1,583	1,639	56	3.54	30	28	58	\$61,566	HS or EQ	Less than 5 years	None
11-9081	Lodging Managers	163	167	4	2.45	3	2	5	\$71,245	HS or EQ	Less than 5 years	None
11-9111	Medical and Health Services Managers	1,856	1,902	46	2.48	44	23	67	\$125,906	Bachelor's degree	Less than 5 years	None
11-9121	Natural Sciences Managers	1,347	1,379	32	2.38	27	16	43	\$127,335	Bachelor's degree	5 years or more	None
11-9141	Property, Real Estate, and Community Association Managers	2,171	2,259	88	4.05	34	44	78	\$72,289	HS or EQ	Less than 5 years	None
11-9151	Social and Community Service Managers	1,171	1,190	19	1.62	30	10	40	\$84,417	Bachelor's degree	5 years or more	None
11-9161	Emergency Management Directors	194	195	1	0.52	2	0	2	\$113,838	Bachelor's degree	5 years or more	None
11-9199	Managers, All Other	28,994	29,484	490	1.69	592	245	837	\$130,099	Bachelor's degree	Less than 5 years	None
<b>13-0000</b>	<b>Business and Financial Operations Occupations</b>	<b>118,731</b>	<b>121,947</b>	<b>3,216</b>	<b>2.71</b>	<b>1,777</b>	<b>1,616</b>	<b>3,393</b>	<b>\$90,304</b>			
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	195	201	6	3.08	5	3	8	\$74,329	Bachelor's degree	Less than 5 years	None
13-1021	Buyers and Purchasing Agents, Farm Products	35	36	1	2.86	0	0	0	\$70,736	Bachelor's degree	None	Long-term OJT
13-1022	Wholesale and Retail Buyers, Except Farm Products	161	166	5	3.11	5	2	7	\$50,645	Bachelor's degree	None	Long-term OJT
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	3,286	3,298	12	0.37	90	6	96	\$91,617	Bachelor's degree	None	Long-term OJT
13-1031	Claims Adjusters, Examiners, and Investigators	758	772	14	1.85	18	7	25	\$77,058	HS or EQ	None	Long-term OJT
13-1041	Compliance Officers	4,803	4,901	98	2.04	62	49	111	\$88,324	Bachelor's degree	None	Moderate-term OJT
13-1051	Cost Estimators	539	568	29	5.38	14	14	28	\$83,444	Bachelor's degree	None	None
13-1071	Human Resources Specialists	7,983	8,130	147	1.84	184	74	258	\$90,832	Bachelor's degree	None	None
13-1075	Labor Relations Specialists	352	344	-8	-2.27	8	0	8	\$76,887	Bachelor's degree	Less than 5 years	None
13-1081	Logisticians	1,438	1,484	46	3.2	12	23	35	\$100,776	Bachelor's degree	None	None
13-1111	Management Analysts	23,867	24,620	753	3.15	280	376	656	\$97,703	Bachelor's degree	Less than 5 years	None
13-1121	Meeting, Convention, and Event Planners	2,734	2,809	75	2.74	28	38	66	\$66,371	Bachelor's degree	None	None

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		2016	2018	Numeric	Percent	Replacement	Growth	Total				
13-1131	Fundraisers	2,266	2,315	49	2.16	28	24	52	\$67,331	Bachelor's degree	None	None
13-1141	Compensation, Benefits, and Job Analysis Specialists	493	498	5	1.01	12	2	14	\$81,107	Bachelor's degree	Less than 5 years	None
13-1151	Training and Development Specialists	1,468	1,508	40	2.72	34	20	54	\$73,221	Bachelor's degree	Less than 5 years	None
13-1161	Market Research Analysts and Marketing Specialists	5,775	6,084	309	5.35	60	154	214	\$64,707	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	37,180	38,057	877	2.36	388	438	826	\$92,441	Bachelor's degree	None	None
13-2011	Accountants and Auditors	12,797	13,130	333	2.6	334	166	500	\$87,303	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	296	306	10	3.38	6	5	11	\$95,123	Bachelor's degree	None	Long-term OJT
13-2031	Budget Analysts	2,239	2,293	54	2.41	56	27	83	\$94,675	Bachelor's degree	None	None
13-2041	Credit Analysts	242	257	15	6.2	10	8	18	\$98,937	Bachelor's degree	None	None
13-2051	Financial Analysts	3,116	3,242	126	4.04	54	63	117	\$90,551	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	606	653	47	7.76	14	24	38	\$114,583	Bachelor's degree	None	Long-term OJT
13-2053	Insurance Underwriters	34	33	-1	-2.94	0	0	0	\$105,840	Bachelor's degree	None	Moderate-term OJT
13-2061	Financial Examiners	695	724	29	4.17	16	14	30	\$154,408	Bachelor's degree	None	Moderate-term OJT
13-2071	Credit Counselors	90	95	5	5.56	2	2	4	\$51,220	Bachelor's degree	None	Moderate-term OJT
13-2072	Loan Officers	782	829	47	6.01	14	24	38	\$77,537	Bachelor's degree	None	Moderate-term OJT
13-2081	Tax Examiners and Collectors, and Revenue Agents	371	367	-4	-1.08	14	0	14	\$72,855	Bachelor's degree	None	Moderate-term OJT
13-2082	Tax Preparers	214	212	-2	-0.93	5	0	5	\$105,818	HS or EQ	None	Moderate-term OJT
13-2099	Financial Specialists, All Other	3,916	4,015	99	2.53	24	50	74	\$94,240	Bachelor's degree	None	Moderate-term OJT
<b>15-0000</b>	<b>Computer and Mathematical Occupations</b>	<b>45,258</b>	<b>47,192</b>	<b>1,934</b>	<b>4.27</b>	<b>550</b>	<b>967</b>	<b>1,517</b>	<b>\$103,262</b>			
15-1111	Computer and Information Research Scientists	746	783	37	4.96	8	18	26	\$122,222	PhD or Prof. degree	None	None
15-1121	Computer Systems Analysts	4,566	4,868	302	6.61	50	151	201	\$99,276	Bachelor's degree	None	None
15-1122	Information Security Analysts	855	913	58	6.78	10	29	39	\$118,308	Bachelor's degree	Less than 5 years	None
15-1131	Computer Programmers	1,446	1,463	17	1.18	35	8	43	\$93,935	Bachelor's degree	None	None
15-1132	Software Developers, Applications	2,323	2,452	129	5.55	28	64	92	\$113,360	Bachelor's degree	None	None
15-1133	Software Developers, Systems Software	3,123	3,310	187	5.99	38	94	132	\$108,028	Bachelor's degree	None	None
15-1134	Web Developers	1,413	1,486	73	5.17	16	36	52	\$85,897	Associate's degree	None	None
15-1141	Database Administrators	1,002	1,029	27	2.69	18	14	32	\$104,128	Bachelor's degree	Less than 5 years	None
15-1142	Network and Computer Systems Administrators	2,760	2,869	109	3.95	30	54	84	\$93,822	Bachelor's degree	None	None
15-1143	Computer Network Architects	1,231	1,276	45	3.66	14	22	36	\$106,948	Bachelor's degree	5 years or more	None
15-1151	Computer User Support Specialists	4,508	4,729	221	4.9	50	110	160	\$60,582	Some college, no degree	None	None
15-1152	Computer Network Support Specialists	793	817	24	3.03	9	12	21	\$87,653	Associate's degree	None	None
15-1199	Computer Occupations, All Other	17,276	17,773	497	2.88	192	248	440	\$115,094	Bachelor's degree	None	None
15-2011	Actuaries	247	251	4	1.62	6	2	8	\$118,639	Bachelor's degree	None	Long-term OJT
15-2021	Mathematicians	91	97	6	6.59	2	3	5	\$118,853	Master's degree	None	None
15-2031	Operations Research Analysts	1,111	1,181	70	6.3	15	35	50	\$113,771	Bachelor's degree	None	None
15-2041	Statisticians	1,684	1,810	126	7.48	27	63	90	\$103,420	Master's degree	None	None
15-2099	Mathematical Science Occupations, All Other	81	83	2	2.47	2	1	3	\$43,275	Bachelor's degree	None	None
<b>17-0000</b>	<b>Architecture and Engineering Occupations</b>	<b>13,505</b>	<b>14,001</b>	<b>496</b>	<b>3.67</b>	<b>294</b>	<b>248</b>	<b>542</b>	<b>\$102,873</b>			
17-1011	Architects, Except Landscape and Naval	2,116	2,238	122	5.77	36	61	97	\$81,425	Bachelor's degree	None	Internship/residency
17-1012	Landscape Architects	61	63	2	3.28	1	1	2	\$90,456	Bachelor's degree	None	Internship/residency
17-2011	Aerospace Engineers	415	424	9	2.17	10	4	14	\$133,365	Bachelor's degree	None	None
17-2031	Biomedical Engineers	53	56	3	5.66	2	2	4	\$67,674	Bachelor's degree	None	None
17-2041	Chemical Engineers	118	120	2	1.69	3	1	4	\$112,549	Bachelor's degree	None	None
17-2051	Civil Engineers	1,022	1,073	51	4.99	29	26	55	\$93,484	Bachelor's degree	None	None
17-2061	Computer Hardware Engineers	456	477	21	4.61	8	10	18	\$116,225	Bachelor's degree	None	None
17-2071	Electrical Engineers	514	536	22	4.28	12	11	23	\$106,461	Bachelor's degree	None	None

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		2016	2018	Numeric	Percent	Replacement	Growth	Total				
17-2072	Electronics Engineers, Except Computer	701	715	14	2	16	7	23	\$118,853	Bachelor's degree	None	None
17-2081	Environmental Engineers	367	379	12	3.27	10	6	16	\$100,385	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	172	178	6	3.49	5	3	8	\$101,405	Bachelor's degree	None	None
17-2112	Industrial Engineers	228	237	9	3.95	6	4	10	\$79,734	Bachelor's degree	None	None
17-2121	Marine Engineers and Naval Architects	897	946	49	5.46	22	24	46	\$123,627	Bachelor's degree	None	None
17-2131	Materials Engineers	187	196	9	4.81	6	4	10	\$112,487	Bachelor's degree	None	None
17-2141	Mechanical Engineers	802	837	35	4.36	26	18	44	\$103,410	Bachelor's degree	None	None
17-2161	Nuclear Engineers	131	134	3	2.29	4	2	6	\$157,214	Bachelor's degree	None	None
17-2199	Engineers, All Other	3,619	3,696	77	2.13	66	38	104	\$132,998	Bachelor's degree	None	None
17-3011	Architectural and Civil Drafters	330	347	17	5.15	4	8	12	\$53,609	Associate's degree	None	None
17-3012	Electrical and Electronics Drafters	120	126	6	5	2	3	5	\$81,310	Associate's degree	None	None
17-3022	Civil Engineering Technicians	179	182	3	1.68	4	2	6	\$72,545	Associate's degree	None	None
17-3023	Electrical and Electronics Engineering Technicians	377	388	11	2.92	9	6	15	\$75,912	Associate's degree	None	None
17-3027	Mechanical Engineering Technicians	135	146	11	8.15	3	6	9	\$66,909	Associate's degree	None	None
17-3029	Engineering Technicians, Except Drafters, All Other	419	421	2	0.48	10	1	11	\$89,540	Associate's degree	None	None
<b>19-0000</b>	<b>Life, Physical, and Social Science Occupations</b>	<b>27,182</b>	<b>27,907</b>	<b>725</b>	<b>2.67</b>	<b>616</b>	<b>363</b>	<b>979</b>	<b>\$94,310</b>			
19-1013	Soil and Plant Scientists	77	78	1	1.3	2	0	2	\$78,961	Bachelor's degree	None	None
19-1021	Biochemists and Biophysicists	43	45	2	4.65	1	1	2	\$56,671	PhD or Prof. degree	None	None
19-1022	Microbiologists	67	68	1	1.49	2	0	2	\$115,018	Bachelor's degree	None	None
19-1023	Zoologists and Wildlife Biologists	120	122	2	1.67	3	1	4	\$103,407	Bachelor's degree	None	None
19-1029	Biological Scientists, All Other	356	365	9	2.53	8	4	12	\$93,742	Bachelor's degree	None	None
19-1031	Conservation Scientists	266	272	6	2.26	10	3	13	\$54,714	Bachelor's degree	None	None
19-1041	Epidemiologists	60	62	2	3.33	2	1	3	\$93,522	Master's degree	None	None
19-1042	Medical Scientists, Except Epidemiologists	717	744	27	3.77	22	14	36	\$74,267	PhD or Prof. degree	None	None
19-2011	Astronomers	100	102	2	2	2	1	3	\$129,386	PhD or Prof. degree	None	None
19-2012	Physicists	714	732	18	2.52	13	9	22	\$146,892	PhD or Prof. degree	None	None
19-2021	Atmospheric and Space Scientists	73	75	2	2.74	2	1	3	\$87,118	Bachelor's degree	None	None
19-2031	Chemists	347	354	7	2.02	8	4	12	\$118,632	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including Health	1,743	1,775	32	1.84	52	16	68	\$111,424	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	80	81	1	1.25	2	0	2	\$118,628	Bachelor's degree	None	None
19-2043	Hydrologists	61	64	3	4.92	2	2	4	\$90,187	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	856	875	19	2.22	7	10	17	\$132,693	Bachelor's degree	None	None
19-3011	Economists	9,086	9,350	264	2.91	206	132	338	\$113,782	Master's degree	None	None
19-3022	Survey Researchers	517	530	13	2.51	6	6	12	\$74,230	Master's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	470	488	18	3.83	10	9	19	\$83,530	PhD or Prof. degree	None	Internship/residency
19-3039	Psychologists, All Other	274	283	9	3.28	6	4	10	\$94,311	Master's degree	None	Internship/residency
19-3041	Sociologists	90	90	0	0	1	0	1	\$73,203	Master's degree	None	None
19-3051	Urban and Regional Planners	274	283	9	3.28	6	4	10	\$96,680	Master's degree	None	None
19-3091	Anthropologists and Archeologists	83	84	1	1.2	1	0	1	\$91,256	Master's degree	None	None
19-3093	Historians	236	239	3	1.27	2	2	4	\$100,376	Master's degree	None	None
19-3094	Political Scientists	1,705	1,750	45	2.64	18	22	40	\$112,964	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	4,116	4,189	73	1.77	43	36	79	\$94,310	Bachelor's degree	None	None
19-4021	Biological Technicians	293	307	14	4.78	8	7	15	\$46,667	Bachelor's degree	None	None
19-4031	Chemical Technicians	49	50	1	2.04	2	0	2	\$49,123	Associate's degree	None	Moderate-term OJT
19-4061	Social Science Research Assistants	3,594	3,720	126	3.51	144	63	207	\$44,375	Bachelor's degree	None	None
19-4091	Environmental Science and Protection Technicians, Including Health	51	51	0	0	0	0	2	\$76,258	Associate's degree	None	None
19-4092	Forensic Science Technicians	171	179	8	4.68	7	4	11	\$80,077	Bachelor's degree	None	Moderate-term OJT
19-4099	Life, Physical, and Social Science Technicians, All Other	350	358	8	2.29	14	4	18	\$57,660	Associate's degree	None	None
<b>21-0000</b>	<b>Community and Social Service Occupations</b>	<b>11,975</b>	<b>12,258</b>	<b>283</b>	<b>2.36</b>	<b>242</b>	<b>142</b>	<b>384</b>	<b>\$52,424</b>			
21-1011	Substance Abuse and Behavioral Disorder Counselors	177	181	4	2.26	4	2	6	\$45,235	Bachelor's degree	None	None
21-1012	Educational, Guidance, School, and Vocational Counselors	1,490	1,563	73	4.9	30	36	66	\$60,629	Master's degree	None	None
21-1014	Mental Health Counselors	912	943	31	3.4	18	16	34	\$43,239	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	809	821	12	1.48	16	6	22	\$33,514	Master's degree	None	None

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21-1019	Counselors, All Other	190	195	5	2.63	4	2	6	\$45,366	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	2,076	2,106	30	1.45	48	15	63	\$61,210	Bachelor's degree	None	None
21-1022	Healthcare Social Workers	580	597	17	2.93	14	8	22	\$63,216	Master's degree	None	None
21-1023	Mental Health and Substance Abuse Social Workers	544	549	5	0.92	12	2	14	\$54,175	Bachelor's degree	None	None
21-1029	Social Workers, All Other	347	353	6	1.73	8	3	11	\$74,297	Bachelor's degree	None	None
21-1091	Health Educators	748	763	15	2.01	14	8	22	\$86,159	Bachelor's degree	None	None
21-1092	Probation Officers and Correctional Treatment Specialists	95	97	2	2.11	2	1	3	\$60,692	Bachelor's degree	None	ST-term OJT
21-1093	Social and Human Service Assistants	2,071	2,111	40	1.93	37	20	57	\$40,034	HS or EQ	None	ST-term OJT
21-1094	Community Health Workers	760	783	23	3.03	14	12	26	\$63,777	HS or EQ	None	ST-term OJT
21-1099	Community and Social Service Specialists, All Other	704	718	14	1.99	12	7	19	\$45,103	Master's degree	None	None
21-2011	Clergy	113	117	4	3.54	2	2	4	\$67,766	Bachelor's degree	None	Moderate-term OJT
21-2021	Directors, Religious Activities and Education	179	181	2	1.12	4	1	5	\$61,953	Bachelor's degree	Less than 5 years	None
21-2099	Religious Workers, All Other	168	168	0	0	3	0	3	\$65,496	Bachelor's degree	None	None
<b>23-0000</b>	<b>Legal Occupations</b>	<b>47,943</b>	<b>49,683</b>	<b>1,740</b>	<b>3.63</b>	<b>683</b>	<b>870</b>	<b>1,553</b>	<b>\$150,728</b>			
23-1011	Lawyers	39,082	40,524	1,442	3.69	512	721	1,233	\$159,445	PhD or Prof. degree	None	None
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	414	416	2	0.48	6	1	7	\$136,590	PhD or Prof. degree	5 years or more	ST-term OJT
23-1022	Arbitrators, Mediators, and Conciliators	113	115	2	1.77	2	1	3	\$81,751	Bachelor's degree	Less than 5 years	Moderate-term OJT
23-2011	Paralegals and Legal Assistants	6,218	6,473	255	4.1	122	128	250	\$74,241	Associate's degree	None	None
23-2091	Court Reporters	99	98	-1	-1.01	2	0	2	\$48,362	Postsec. non-degree	None	ST-term OJT
23-2093	Title Examiners, Abstractors, and Searchers	64	64	0	0	2	0	2	\$63,283	HS or EQ	None	ST-term OJT
23-2099	Legal Support Workers, All Other	1,938	1,978	40	2.06	38	20	58	\$62,194	HS or EQ	None	ST-term OJT
<b>25-0000</b>	<b>Education, Training, and Library Occupations</b>	<b>33,335</b>	<b>35,115</b>	<b>1,780</b>	<b>5.34</b>	<b>659</b>	<b>890</b>	<b>1,549</b>	<b>\$64,008</b>			
25-1011	Business Teachers, Postsecondary	1,396	1,483	87	6.23	22	44	66	\$90,577	PhD or Prof. degree	None	None
25-1021	Computer Science Teachers, Postsecondary	150	160	10	6.67	2	5	7	\$90,656	PhD or Prof. degree	None	None
25-1022	Mathematical Science Teachers, Postsecondary	190	203	13	6.84	3	6	9	\$76,748	PhD or Prof. degree	None	None
25-1031	Architecture Teachers, Postsecondary	205	217	12	5.85	4	6	10	\$57,383	PhD or Prof. degree	None	None
25-1032	Engineering Teachers, Postsecondary	121	129	8	6.61	2	4	6	\$91,286	PhD or Prof. degree	None	None
25-1042	Biological Science Teachers, Postsecondary	222	237	15	6.76	4	8	12	\$78,290	PhD or Prof. degree	None	None
25-1052	Chemistry Teachers, Postsecondary	99	105	6	6.06	2	3	5	\$92,049	PhD or Prof. degree	None	None
25-1054	Physics Teachers, Postsecondary	86	92	6	6.98	2	3	5	\$87,214	PhD or Prof. degree	None	None
25-1061	Anthropology and Archeology Teachers, Postsecondary	39	42	3	7.69	0	2	2	\$83,476	PhD or Prof. degree	None	None
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	366	392	26	7.1	6	13	19	\$84,695	PhD or Prof. degree	None	None
25-1063	Economics Teachers, Postsecondary	242	257	15	6.2	4	8	12	\$90,538	PhD or Prof. degree	None	None
25-1065	Political Science Teachers, Postsecondary	1,286	1,365	79	6.14	21	40	61	\$85,262	PhD or Prof. degree	None	None
25-1066	Psychology Teachers, Postsecondary	182	195	13	7.14	3	6	9	\$72,117	PhD or Prof. degree	None	None
25-1067	Sociology Teachers, Postsecondary	71	76	5	7.04	1	2	3	\$75,712	PhD or Prof. degree	None	None
25-1071	Health Specialties Teachers, Postsecondary	558	602	44	7.89	9	22	31	\$120,247	PhD or Prof. degree	Less than 5 years	None
25-1072	Nursing Instructors and Teachers, Postsecondary	233	252	19	8.15	4	10	14	\$69,743	Master's degree	Less than 5 years	None
25-1081	Education Teachers, Postsecondary	264	281	17	6.44	4	8	12	\$59,358	PhD or Prof. degree	Less than 5 years	None
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	80	87	7	8.75	2	4	6	\$65,472	PhD or Prof. degree	None	None
25-1112	Law Teachers, Postsecondary	989	1,073	84	8.49	16	42	58	\$98,441	PhD or Prof. degree	None	None
25-1121	Art, Drama, and Music Teachers, Postsecondary	579	623	44	7.6	10	22	32	\$76,485	Master's degree	None	None
25-1122	Communications Teachers, Postsecondary	230	244	14	6.09	4	7	11	\$71,320	PhD or Prof. degree	None	None
25-1123	English Language and Literature Teachers, Postsecondary	321	340	19	5.92	5	10	15	\$64,774	PhD or Prof. degree	None	None
25-1124	Foreign Language and Literature Teachers, Postsecondary	877	952	75	8.55	14	38	52	\$54,285	PhD or Prof. degree	None	None
25-1125	History Teachers, Postsecondary	103	109	6	5.83	2	3	5	\$80,654	PhD or Prof. degree	None	None
25-1126	Philosophy and Religion Teachers, Postsecondary	342	364	22	6.43	6	11	17	\$89,305	PhD or Prof. degree	None	None
25-1191	Graduate Teaching Assistants	492	518	26	5.28	8	13	21	\$41,476	Bachelor's degree	None	None
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	70	74	4	5.71	1	2	3	\$58,721	PhD or Prof. degree	None	None
25-1194	Vocational Education Teachers, Postsecondary	105	111	6	5.71	2	3	5	\$69,568	Bachelor's degree	Less than 5 years	None
25-1199	Postsecondary Teachers, All Other	1,345	1,426	81	6.02	22	40	62	\$64,574	PhD or Prof. degree	None	None
25-2011	Preschool Teachers, Except Special Education	982	1,017	35	3.56	28	18	46	\$34,489	Associate's degree	None	None

**DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS: 2016 - 2018\***

Soccode	Occupational Title	Employment		Change 2016-2018		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2016	2018	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
25-2012	Kindergarten Teachers, Except Special Education	65	68	3	4.62	2	2	4	\$59,483	Bachelor's degree	None	Internship/residency
25-2021	Elementary School Teachers, Except Special Education	2,682	2,818	136	5.07	60	68	128	\$73,095	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Except Special and Career/Technical Education	1,399	1,470	71	5.08	31	36	67	\$70,130	Bachelor's degree	None	Internship/residency
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	3,006	3,145	139	4.62	75	70	145	\$61,500	Bachelor's degree	None	Internship/residency
25-2052	Special Education Teachers, Kindergarten and Elementary School	715	751	36	5.03	13	18	31	\$62,879	Bachelor's degree	None	Internship/residency
25-2053	Special Education Teachers, Middle School	200	210	10	5	4	5	9	\$61,795	Bachelor's degree	None	Internship/residency
25-2054	Special Education Teachers, Secondary School	635	667	32	5.04	12	16	28	\$65,793	Bachelor's degree	None	Internship/residency
25-2059	Special Education Teachers, All Other	267	281	14	5.24	5	7	12	\$64,634	Bachelor's degree	None	Internship/residency
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	273	290	17	6.23	5	8	13	\$44,463	Bachelor's degree	None	Internship/residency
25-3021	Self-Enrichment Education Teachers	359	387	28	7.8	6	14	20	\$52,623	HS or EQ	Less than 5 years	None
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	2,780	2,951	171	6.15	50	86	136	\$64,380	Bachelor's degree	None	Internship/residency
25-3098	Substitute Teachers	97	101	4	4.12	2	2	4	\$40,693	Bachelor's degree	None	Internship/residency
25-4011	Archivists	213	217	4	1.88	6	2	8	\$74,619	Master's degree	None	None
25-4012	Curators	177	183	6	3.39	5	3	8	\$81,315	Master's degree	None	None
25-4013	Museum Technicians and Conservators	549	561	12	2.19	16	6	22	\$66,157	Bachelor's degree	None	None
25-4021	Librarians	1,242	1,273	31	2.5	25	16	41	\$80,113	Master's degree	None	None
25-4031	Library Technicians	593	604	11	1.85	32	6	38	\$49,419	Postsec. non-degree	None	None
25-9011	Audio-Visual and Multimedia Collections Specialists	37	38	1	2.7	0	0	0	\$57,251	Bachelor's degree	Less than 5 years	None
25-9031	Instructional Coordinators	1,676	1,736	60	3.58	11	30	41	\$90,969	Master's degree	5 years or more	None
25-9041	Teacher Assistants	3,679	3,857	178	4.84	84	89	173	\$32,502	Some college, no degree	None	None
25-9099	Education, Training, and Library Workers, All Other	332	341	9	2.71	2	4	6	\$53,888	Bachelor's degree	None	None
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports, and Media Occupations</b>	<b>39,885</b>	<b>40,749</b>	<b>864</b>	<b>2.17</b>	<b>741</b>	<b>438</b>	<b>1,179</b>	<b>\$76,837</b>			
27-1011	Art Directors	736	755	19	2.58	14	10	24	\$78,821	Bachelor's degree	5 years or more	None
27-1014	Multimedia Artists and Animators	138	141	3	2.17	2	2	4	\$75,413	Bachelor's degree	None	Moderate-term OJT
27-1019	Artists and Related Workers, All Other	1,973	1,998	25	1.27	38	12	50	\$89,546	No formal educ. credential	None	Long-term OJT
27-1023	Floral Designers	119	117	-2	-1.68	3	0	3	\$34,421	HS or EQ	None	Moderate-term OJT
27-1024	Graphic Designers	1,892	1,931	39	2.06	45	20	65	\$68,286	Bachelor's degree	None	None
27-1025	Interior Designers	946	989	43	4.55	22	22	44	\$68,200	Bachelor's degree	None	None
27-1026	Merchandise Displayers and Window Trimmers	147	148	1	0.68	4	0	4	\$41,207	HS or EQ	None	Moderate-term OJT
27-1027	Set and Exhibit Designers	307	318	11	3.58	8	6	14	\$72,579	Bachelor's degree	None	None
27-1029	Designers, All Other	50	51	1	2	1	0	1	\$88,097	Bachelor's degree	None	None
27-2011	Actors	386	395	9	2.33	14	4	18		Some college, no degree	None	Long-term OJT
27-2012	Producers and Directors	2,083	2,149	66	3.17	64	33	97	\$78,783	Bachelor's degree	Less than 5 years	None
27-2022	Coaches and Scouts	437	453	16	3.66	14	8	22	\$45,919	Bachelor's degree	None	None
27-2031	Dancers	87	94	7	8.05	2	4	6		No formal educ. credential	None	Long-term OJT
27-2032	Choreographers	123	133	10	8.13	4	5	9	\$46,345	HS or EQ	5 years or more	Long-term OJT
27-2041	Music Directors and Composers	90	96	6	6.67	2	3	5	\$24,914	Bachelor's degree	Less than 5 years	None

**DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS: 2016 - 2018\***

Soccode	Occupational Title	Employment		Change 2016-2018		Average Annual Openings			Annual Median Wage**	Education Value	Work Experience	Job Training
		2016	2018	Numeric	Percent	Replacement	Growth	Total				
27-2042	Musicians and Singers	240	246	6	2.5	6	3	9		No formal educ. credential	None	Long-term OJT
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	137	145	8	5.84	4	4	8		No formal educ. credential	None	ST-term OJT
27-3011	Radio and Television Announcers	206	205	-1	-0.49	6	0	6	\$62,859	Bachelor's degree	None	ST-term OJT
27-3021	Broadcast News Analysts	106	107	1	0.94	4	0	4	\$62,763	Bachelor's degree	None	None
27-3022	Reporters and Correspondents	2,586	2,666	80	3.09	88	40	128	\$80,101	Bachelor's degree	None	None
27-3031	Public Relations Specialists	17,047	17,376	329	1.93	178	164	342	\$77,940	Bachelor's degree	None	None
27-3041	Editors	3,180	3,171	-9	-0.28	111	0	111	\$78,800	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	889	936	47	5.29	18	24	42	\$82,652	Bachelor's degree	Less than 5 years	ST-term OJT
27-3043	Writers and Authors	2,096	2,106	10	0.48	32	5	37	\$89,549	Bachelor's degree	None	Moderate-term OJT
27-3091	Interpreters and Translators	480	529	49	10.21	6	24	30	\$92,028	Bachelor's degree	None	ST-term OJT
27-3099	Media and Communication Workers, All Other	199	206	7	3.52	2	4	6	\$62,758	HS or EQ	None	ST-term OJT
27-4011	Audio and Video Equipment Technicians	641	661	20	3.12	10	10	20	\$57,067	Postsec. non-degree	None	ST-term OJT
27-4012	Broadcast Technicians	709	726	17	2.4	12	8	20	\$80,572	Associate's degree	None	ST-term OJT
27-4013	Radio Operators	73	72	-1	-1.37	1	0	1	\$59,002	HS or EQ	None	ST-term OJT
27-4014	Sound Engineering Technicians	105	108	3	2.86	2	2	4	\$53,486	Postsec. non-degree	None	ST-term OJT
27-4021	Photographers	276	280	4	1.45	6	2	8	\$58,482	HS or EQ	None	Long-term OJT
27-4031	Camera Operators, Television, Video, and Motion Picture	746	767	21	2.82	6	10	16	\$88,587	Bachelor's degree	None	None
27-4032	Film and Video Editors	158	166	8	5.06	1	4	5	\$77,815	Bachelor's degree	None	None
27-4099	Media and Communication Equipment Workers, All Other	415	419	4	0.96	7	2	9	\$103,413	HS or EQ	None	ST-term OJT
<b>29-0000</b>	<b>Healthcare Practitioners and Technical Occupations</b>	<b>31,388</b>	<b>32,287</b>	<b>899</b>	<b>2.86</b>	<b>656</b>	<b>452</b>	<b>1,108</b>	<b>\$75,120</b>			
29-1021	Dentists, General	283	288	5	1.77	5	2	7	\$113,065	PhD or Prof. degree	None	None
29-1029	Dentists, All Other Specialists	49	49	0	0	1	0	1	\$170,909	PhD or Prof. degree	None	Internship/residency
29-1031	Dietitians and Nutritionists	281	290	9	3.2	2	4	6	\$63,718	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	105	113	8	7.62	4	4	8	\$74,450	PhD or Prof. degree	None	None
29-1051	Pharmacists	814	838	24	2.95	18	12	30	\$122,561	PhD or Prof. degree	None	None
29-1061	Anesthesiologists	223	228	5	2.24	6	2	8		PhD or Prof. degree	None	Internship/residency
29-1062	Family and General Practitioners	690	696	6	0.87	18	3	21	\$181,002	PhD or Prof. degree	None	Internship/residency
29-1063	Internists, General	1,229	1,250	21	1.71	32	10	42	\$63,913	PhD or Prof. degree	None	Internship/residency
29-1064	Obstetricians and Gynecologists	122	126	4	3.28	3	2	5	\$137,591	PhD or Prof. degree	None	Internship/residency
29-1065	Pediatricians, General	329	332	3	0.91	8	2	10	\$106,793	PhD or Prof. degree	None	Internship/residency
29-1066	Psychiatrists	230	235	5	2.17	6	2	8	\$104,111	PhD or Prof. degree	None	Internship/residency
29-1067	Surgeons	354	364	10	2.82	9	5	14	\$160,749	PhD or Prof. degree	None	Internship/residency
29-1069	Physicians and Surgeons, All Other	2,283	2,339	56	2.45	59	28	87	\$170,808	PhD or Prof. degree	None	Internship/residency
29-1071	Physician Assistants	407	425	18	4.42	8	9	17	\$102,857	Master's degree	None	None
29-1081	Podiatrists	64	67	3	4.69	1	2	3	\$120,226	PhD or Prof. degree	None	Internship/residency
29-1122	Occupational Therapists	429	452	23	5.36	6	12	18	\$86,228	Master's degree	None	None
29-1123	Physical Therapists	667	700	33	4.95	16	16	32	\$82,535	PhD or Prof. degree	None	None
29-1124	Radiation Therapists	118	121	3	2.54	2	2	4	\$77,375	Associate's degree	None	None
29-1125	Recreational Therapists	209	220	11	5.26	4	6	10	\$53,724	Bachelor's degree	None	None
29-1126	Respiratory Therapists	394	403	9	2.28	8	4	12	\$70,183	Associate's degree	None	None
29-1127	Speech-Language Pathologists	393	412	19	4.83	9	10	19	\$86,961	Master's degree	None	None
29-1131	Veterinarians	118	124	6	5.08	2	3	5	\$98,939	PhD or Prof. degree	None	None
29-1141	Registered Nurses	10,403	10,683	280	2.69	230	140	370	\$80,051	Bachelor's degree	None	None
29-1151	Nurse Anesthetists	111	114	3	2.7	2	2	4	\$162,417	Master's degree	None	None

**DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS: 2016 - 2018\***

Soccode	Occupational Title	Employment		Change 2016-2018		Average Annual Openings			Annual Median Wage**	Education Value	Work Experience	Job Training
		2016	2018	Numeric	Percent	Replacement	Growth	Total				
29-1171	Nurse Practitioners	546	574	28	5.13	12	14	26	\$104,914	Master's degree	None	None
29-1181	Audiologists	97	102	5	5.15	2	2	4	\$106,804	PhD or Prof. degree	None	None
29-1199	Health Diagnosing and Treating Practitioners, All Other	638	650	12	1.88	14	6	20	\$115,010	Master's degree	None	None
29-2011	Medical and Clinical Laboratory Technologists	792	816	24	3.03	20	12	32	\$66,474	Bachelor's degree	None	None
29-2012	Medical and Clinical Laboratory Technicians	495	508	13	2.63	12	6	18	\$41,238	Associate's degree	None	None
29-2021	Dental Hygienists	407	415	8	1.97	6	4	10	\$81,360	Associate's degree	None	None
29-2031	Cardiovascular Technologists and Technicians	137	142	5	3.65	2	2	4	\$76,369	Associate's degree	None	None
29-2032	Diagnostic Medical Sonographers	158	165	7	4.43	2	4	6	\$87,746	Associate's degree	None	None
29-2033	Nuclear Medicine Technologists	44	44	0	0	0	0	0	\$88,298	Associate's degree	None	None
29-2034	Radiologic Technologists	534	541	7	1.31	8	4	12	\$76,674	Associate's degree	None	None
29-2035	Magnetic Resonance Imaging Technologists	79	80	1	1.27	1	0	1	\$88,470	Associate's degree	Less than 5 years	None
29-2041	Emergency Medical Technicians and Paramedics	1,607	1,642	35	2.18	23	18	41	\$60,070	Postsec. non-degree	None	None
29-2051	Dietetic Technicians	73	75	2	2.74	0	1	1	\$30,603	Associate's degree	None	None
29-2052	Pharmacy Technicians	967	1,012	45	4.65	8	22	30	\$35,106	HS or EQ	None	Moderate-term OJT
29-2053	Psychiatric Technicians	129	131	2	1.55	1	1	2	\$36,925	Postsec. non-degree	Less than 5 years	ST-term OJT
29-2054	Respiratory Therapy Technicians	133	129	-4	-3.01	1	0	1	\$74,138	Associate's degree	None	None
29-2055	Surgical Technologists	267	273	6	2.25	2	3	5	\$57,611	Postsec. non-degree	None	None
29-2056	Veterinary Technologists and Technicians	124	134	10	8.06	1	5	6	\$32,778	Associate's degree	None	None
29-2061	Licensed Practical and Licensed Vocational Nurses	1,760	1,807	47	2.67	50	24	74	\$53,901	Postsec. non-degree	None	None
29-2071	Medical Records and Health Information Technicians	500	513	13	2.6	10	6	16	\$45,282	Postsec. non-degree	None	None
29-2081	Opticians, Dispensing	288	309	21	7.29	7	10	17	\$41,278	HS or EQ	None	Long-term OJT
29-2099	Health Technologists and Technicians, All Other	472	491	19	4.03	4	10	14	\$43,512	HS or EQ	None	None
29-9011	Occupational Health and Safety Specialists	428	437	9	2.1	6	4	10	\$86,978	Bachelor's degree	None	None
29-9012	Occupational Health and Safety Technicians	53	54	1	1.89	1	0	1	\$78,783	HS or EQ	None	Moderate-term OJT
29-9091	Athletic Trainers	71	77	6	8.45	1	3	4	\$58,633	Bachelor's degree	None	None
29-9092	Genetic Counselors	33	35	2	6.06	0	1	1	\$73,201	Master's degree	None	None
29-9099	Healthcare Practitioners and Technical Workers, All Other	115	118	3	2.61	2	2	4	\$73,535	Postsec. non-degree	None	None
<b>31-0000</b>	<b>Healthcare Support Occupations</b>	<b>12,136</b>	<b>12,668</b>	<b>532</b>	<b>4.38</b>	<b>255</b>	<b>266</b>	<b>521</b>	<b>\$30,617</b>			
31-1011	Home Health Aides	4,972	5,337	365	7.34	105	182	287	\$28,143	No formal educ. credential	None	ST-term OJT
31-1013	Psychiatric Aides	271	277	6	2.21	6	3	9	\$25,431	HS or EQ	None	ST-term OJT
31-1014	Nursing Assistants	3,045	3,108	63	2.07	64	32	96	\$33,469	Postsec. non-degree	None	None
31-1015	Orderlies	235	240	5	2.13	5	2	7	\$29,924	HS or EQ	None	ST-term OJT
31-2011	Occupational Therapy Assistants	38	39	1	2.63	1	0	1	\$58,948	Associate's degree	None	None
31-2012	Occupational Therapy Aides	58	61	3	5.17	2	2	4	\$36,537	HS or EQ	None	ST-term OJT
31-2021	Physical Therapist Assistants	143	150	7	4.9	4	4	8	\$39,654	Associate's degree	None	None
31-2022	Physical Therapist Aides	80	82	2	2.5	2	1	3	\$32,621	HS or EQ	None	ST-term OJT
31-9011	Massage Therapists	66	68	2	3.03	0	1	1	\$40,267	Postsec. non-degree	None	None
31-9091	Dental Assistants	662	674	12	1.81	16	6	22	\$44,151	Postsec. non-degree	None	None
31-9092	Medical Assistants	1,594	1,636	42	2.63	31	21	52	\$38,922	Postsec. non-degree	None	None
31-9093	Medical Equipment Preparers	257	264	7	2.72	5	4	9	\$39,774	HS or EQ	None	Moderate-term OJT
31-9094	Medical Transcriptionists	42	41	-1	-2.38	1	0	1	\$50,539	Postsec. non-degree	None	None
31-9095	Pharmacy Aides	83	86	3	3.61	2	2	4	\$44,479	HS or EQ	None	ST-term OJT
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	78	82	4	5.13	2	2	4	\$27,393	HS or EQ	None	ST-term OJT
31-9097	Phlebotomists	267	272	5	1.87	5	2	7	\$40,362	Postsec. non-degree	None	None
31-9099	Healthcare Support Workers, All Other	245	251	6	2.45	5	3	8	\$44,845	HS or EQ	None	None
<b>33-0000</b>	<b>Protective Service Occupations</b>	<b>30,894</b>	<b>31,566</b>	<b>672</b>	<b>2.18</b>	<b>616</b>	<b>347</b>	<b>963</b>	<b>\$56,027</b>			
33-1011	First-Line Supervisors of Correctional Officers	40	40	0	0	1	0	1	\$77,172	HS or EQ	Less than 5 years	Moderate-term OJT
33-1012	First-Line Supervisors of Police and Detectives	1,404	1,417	13	0.93	47	6	53	\$130,013	HS or EQ	Less than 5 years	Moderate-term OJT
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	184	182	-2	-1.09	8	0	8	\$101,942	Postsec. non-degree	Less than 5 years	Moderate-term OJT
33-1099	First-Line Supervisors of Protective Service Workers, All Other	1,031	1,065	34	3.3	26	17	43	\$54,999	HS or EQ	Less than 5 years	None

**DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS: 2016 - 2018\***

Soccode	Occupational Title	Employment		Change 2016-2018		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2016	2018	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
33-2011	Firefighters	593	588	-5	-0.84	16	0	16	\$76,987	Postsec. non-degree	None	Long-term OJT
33-2021	Fire Inspectors and Investigators	54	54	0	0	2	0	2	\$84,772	Postsec. non-degree	5 years or more	Moderate-term OJT
33-3012	Correctional Officers and Jailers	873	876	3	0.34	24	2	26	\$56,182	HS or EQ	None	Moderate-term OJT
33-3021	Detectives and Criminal Investigators	3,465	3,516	51	1.47	74	26	100	\$129,882	HS or EQ	Less than 5 years	Moderate-term OJT
33-3041	Parking Enforcement Workers	239	224	-15	-6.28	7	0	7	\$53,765	HS or EQ	None	ST-term OJT
33-3051	Police and Sheriff's Patrol Officers	5,967	5,999	32	0.54	192	16	208	\$73,576	HS or EQ	None	Moderate-term OJT
33-9021	Private Detectives and Investigators	107	111	4	3.74	3	2	5	\$62,182	HS or EQ	Less than 5 years	Moderate-term OJT
33-9032	Security Guards	15,451	15,997	546	3.53	198	273	471	\$44,079	HS or EQ	None	ST-term OJT
33-9091	Crossing Guards	232	234	2	0.86	4	1	5	\$33,543	No formal educ. credential	None	ST-term OJT
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	218	223	5	2.29	3	2	5	\$34,386	No formal educ. credential	None	ST-term OJT
33-9099	Protective Service Workers, All Other	999	1,002	3	0.3	13	2	15	\$38,546	HS or EQ	None	ST-term OJT
<b>35-0000</b>	<b>Food Preparation and Serving Related Occupations</b>	<b>56,666</b>	<b>58,776</b>	<b>2,110</b>	<b>3.72</b>	<b>2,530</b>	<b>1,057</b>	<b>3,587</b>	<b>\$24,749</b>			
35-1011	Chefs and Head Cooks	1,208	1,257	49	4.06	16	24	40	\$57,387	HS or EQ	5 years or more	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	3,798	3,971	173	4.56	122	86	208	\$37,796	HS or EQ	Less than 5 years	None
35-2011	Cooks, Fast Food	2,070	2,066	-4	-0.19	56	0	56	\$22,414	No formal educ. credential	None	ST-term OJT
35-2012	Cooks, Institution and Cafeteria	1,654	1,706	52	3.14	44	26	70	\$33,041	No formal educ. credential	None	ST-term OJT
35-2014	Cooks, Restaurant	6,197	6,521	324	5.23	167	162	329	\$26,840	No formal educ. credential	Less than 5 years	Moderate-term OJT
35-2015	Cooks, Short Order	334	339	5	1.5	9	2	11	\$28,531	No formal educ. credential	None	ST-term OJT
35-2021	Food Preparation Workers	3,528	3,685	157	4.45	110	78	188	\$24,728	No formal educ. credential	None	ST-term OJT
35-3011	Bartenders	4,359	4,572	213	4.89	161	106	267	\$27,391	No formal educ. credential	None	ST-term OJT
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	9,094	9,532	438	4.82	354	219	573	\$23,676	No formal educ. credential	None	ST-term OJT
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,734	1,800	66	3.81	162	33	195	\$24,738	No formal educ. credential	None	ST-term OJT
35-3031	Waiters and Waitresses	8,775	9,035	260	2.96	458	130	588	\$22,148	No formal educ. credential	None	ST-term OJT
35-3041	Food Servers, Nonrestaurant	1,678	1,707	29	1.73	40	14	54	\$27,848	No formal educ. credential	None	ST-term OJT
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	4,826	4,994	168	3.48	306	84	390	\$23,675	No formal educ. credential	None	ST-term OJT
35-9021	Dishwashers	4,350	4,424	74	1.7	241	37	278	\$24,258	No formal educ. credential	None	ST-term OJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,603	2,692	89	3.42	258	44	302	\$24,906	No formal educ. credential	None	None
35-9099	Food Preparation and Serving Related Workers, All Other	427	444	17	3.98	27	8	35	\$22,667	No formal educ. credential	None	ST-term OJT
<b>37-0000</b>	<b>Building and Grounds Cleaning and Maintenance Occupations</b>	<b>27,095</b>	<b>28,114</b>	<b>1,019</b>	<b>3.76</b>	<b>515</b>	<b>510</b>	<b>1,025</b>	<b>\$29,761</b>			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,561	1,618	57	3.65	23	28	51	\$39,990	HS or EQ	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	85	88	3	3.53	1	2	3	\$68,164	HS or EQ	Less than 5 years	None
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	17,160	17,856	696	4.06	308	348	656	\$28,099	No formal educ. credential	None	ST-term OJT
37-2012	Maids and Housekeeping Cleaners	7,284	7,513	229	3.14	164	114	278	\$35,403	No formal educ. credential	None	ST-term OJT

**DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS: 2016 - 2018\***

Soccode	Occupational Title	Employment		Change 2016-2018		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2016	2018	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
37-2021	Pest Control Workers	38	40	2	5.26	1	1	2	\$54,401	HS or EQ	None	Moderate-term OJT
37-3011	Landscaping and Groundskeeping Workers	802	828	26	3.24	14	13	27	\$37,508	No formal educ. credential	None	ST-term OJT
37-3013	Tree Trimmers and Pruners	49	51	2	4.08	1	1	2	\$60,248	HS or EQ	None	ST-term OJT
37-3019	Grounds Maintenance Workers, All Other	70	73	3	4.29	1	2	3	\$44,077	No formal educ. credential	None	ST-term OJT
<b>39-0000</b>	<b>Personal Care and Service Occupations</b>	<b>18,195</b>	<b>19,009</b>	<b>814</b>	<b>4.47</b>	<b>396</b>	<b>407</b>	<b>803</b>	<b>\$28,700</b>			
39-1021	First-Line Supervisors of Personal Service Workers	374	385	11	2.94	6	6	12	\$49,714	HS or EQ	Less than 5 years	None
39-2021	Nonfarm Animal Caretakers	436	448	12	2.75	8	6	14	\$32,025	HS or EQ	None	ST-term OJT
39-3011	Gaming Dealers	100	109	9	9	2	4	6	\$22,061	HS or EQ	None	ST-term OJT
39-3031	Ushers, Lobby Attendants, and Ticket Takers	854	915	61	7.14	66	30	96	\$25,703	No formal educ. credential	None	ST-term OJT
39-3091	Amusement and Recreation Attendants	209	223	14	6.7	10	7	17	\$24,350	No formal educ. credential	None	ST-term OJT
39-3092	Costume Attendants	78	84	6	7.69	4	3	7	\$40,313	HS or EQ	None	ST-term OJT
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	42	45	3	7.14	2	2	4	\$26,548	HS or EQ	None	ST-term OJT
39-4031	Morticians, Undertakers, and Funeral Directors	40	41	1	2.5	1	0	1	\$53,519	Associate's degree	None	Long-term OJT
39-5011	Barbers	216	219	3	1.39	4	2	6	\$36,160	Postsec. non-degree	None	None
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,304	1,338	34	2.61	32	17	49	\$28,760	Postsec. non-degree	None	None
39-5091	Makeup Artists, Theatrical and Performance	68	71	3	4.41	0	2	2	\$94,207	Postsec. non-degree	None	None
39-5092	Manicurists and Pedicurists	57	58	1	1.75	0	0	0	\$29,974	Postsec. non-degree	None	None
39-5093	Shampooers	139	144	5	3.6	1	2	3	\$22,693	No formal educ. credential	None	ST-term OJT
39-5094	Skincare Specialists	45	46	1	2.22	0	0	0	\$33,102	Postsec. non-degree	None	None
39-6011	Baggage Porters and Bellhops	589	608	19	3.23	11	10	21	\$25,715	HS or EQ	None	ST-term OJT
39-6012	Concierges	790	813	23	2.91	15	12	27	\$32,339	HS or EQ	None	Moderate-term OJT
39-7011	Tour Guides and Escorts	475	492	17	3.58	18	8	26	\$32,526	HS or EQ	None	Moderate-term OJT
39-7012	Travel Guides	44	45	1	2.27	2	0	2	\$54,061	HS or EQ	None	Moderate-term OJT
39-9011	Childcare Workers	3,501	3,618	117	3.34	107	58	165	\$24,928	HS or EQ	None	ST-term OJT
39-9021	Personal Care Aides	5,987	6,350	363	6.06	38	182	220	\$27,741	No formal educ. credential	None	ST-term OJT
39-9031	Fitness Trainers and Aerobics Instructors	1,119	1,185	66	5.9	20	33	53	\$50,084	HS or EQ	None	ST-term OJT
39-9032	Recreation Workers	618	624	6	0.97	11	3	14	\$46,643	HS or EQ	None	ST-term OJT
39-9041	Residential Advisors	912	944	32	3.51	30	16	46	\$30,164	HS or EQ	None	ST-term OJT
39-9099	Personal Care and Service Workers, All Other	125	127	2	1.6	3	1	4	\$24,004	HS or EQ	None	ST-term OJT
<b>41-0000</b>	<b>Sales and Related Occupations</b>	<b>28,491</b>	<b>29,389</b>	<b>898</b>	<b>3.15</b>	<b>964</b>	<b>452</b>	<b>1,416</b>	<b>\$30,581</b>			
41-1011	First-Line Supervisors of Retail Sales Workers	1,714	1,768	54	3.15	39	27	66	\$46,266	HS or EQ	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	548	562	14	2.55	6	7	13	\$71,822	HS or EQ	Less than 5 years	None
41-2011	Cashiers	9,379	9,686	307	3.27	475	154	629	\$23,665	No formal educ. credential	None	ST-term OJT
41-2021	Counter and Rental Clerks	542	559	17	3.14	14	8	22	\$32,158	No formal educ. credential	None	ST-term OJT
41-2031	Retail Salespersons	6,360	6,594	234	3.68	238	117	355	\$27,331	No formal educ. credential	None	ST-term OJT
41-3011	Advertising Sales Agents	773	792	19	2.46	22	10	32	\$55,181	HS or EQ	None	Moderate-term OJT
41-3021	Insurance Sales Agents	367	375	8	2.18	10	4	14	\$41,204	HS or EQ	None	Moderate-term OJT
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,666	1,736	70	4.2	31	35	66	\$66,647	Bachelor's degree	None	Moderate-term OJT
41-3041	Travel Agents	452	459	7	1.55	7	4	11	\$46,219	HS or EQ	None	Moderate-term OJT

**DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS: 2016 - 2018\***

Soccode	Occupational Title	Employment		Change 2016-2018		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2016	2018	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
41-3099	Sales Representatives, Services, All Other	3,110	3,200	90	2.89	66	45	111	\$63,591	HS or EQ	None	Moderate-term OJT
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	525	538	13	2.48	10	6	16	\$75,313	Bachelor's degree	None	Moderate-term OJT
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific	1,007	1,038	31	3.08	20	16	36	\$69,615	HS or EQ	None	Moderate-term OJT
41-9011	Demonstrators and Product Promoters	74	77	3	4.05	2	2	4	\$33,979	HS or EQ	None	ST-term OJT
41-9021	Real Estate Brokers	295	299	4	1.36	2	2	4	\$97,725	HS or EQ	Less than 5 years	None
41-9022	Real Estate Sales Agents	975	994	19	1.95	7	10	17	\$70,292	HS or EQ	None	Moderate-term OJT
41-9031	Sales Engineers	292	305	13	4.45	8	6	14	\$106,085	Bachelor's degree	None	Moderate-term OJT
41-9041	Telemarketers	236	229	-7	-2.97	5	0	5	\$24,391	No formal educ. credential	None	ST-term OJT
41-9099	Sales and Related Workers, All Other	136	137	1	0.74	2	0	2	\$41,842	HS or EQ	None	None
<b>43-0000</b>	<b>Office and Administrative Support Occupations</b>	<b>85,634</b>	<b>87,105</b>	<b>1,471</b>	<b>1.72</b>	<b>1,595</b>	<b>882</b>	<b>2,477</b>	<b>\$47,666</b>			
43-1011	First-Line Supervisors of Office and Administrative Support Workers	5,332	5,490	158	2.96	84	79	163	\$73,848	HS or EQ	Less than 5 years	None
43-2011	Switchboard Operators, Including Answering Service	298	282	-16	-5.37	4	0	4	\$39,068	HS or EQ	None	ST-term OJT
43-2021	Telephone Operators	50	45	-5	-10	2	0	2	\$42,012	HS or EQ	None	ST-term OJT
43-3011	Bill and Account Collectors	210	211	1	0.48	5	0	5	\$57,781	HS or EQ	None	Moderate-term OJT
43-3021	Billing and Posting Clerks	869	897	28	3.22	16	14	30	\$57,287	HS or EQ	None	Moderate-term OJT
43-3031	Bookkeeping, Accounting, and Auditing Clerks	4,121	4,101	-20	-0.49	40	0	40	\$55,181	Some college, no degree	None	Moderate-term OJT
43-3041	Gaming Cage Workers	86	94	8	9.3	2	4	6	\$24,419	HS or EQ	None	ST-term OJT
43-3051	Payroll and Timekeeping Clerks	476	477	1	0.21	12	0	12	\$59,742	HS or EQ	None	Moderate-term OJT
43-3061	Procurement Clerks	367	368	1	0.27	12	0	12	\$53,610	HS or EQ	None	Moderate-term OJT
43-3071	Tellers	1,074	1,113	39	3.63	48	20	68	\$31,725	HS or EQ	None	ST-term OJT
43-3099	Financial Clerks, All Other	46	48	2	4.35	1	1	2	\$48,752	HS or EQ	None	ST-term OJT
43-4011	Brokerage Clerks	157	161	4	2.55	4	2	6	\$54,661	HS or EQ	None	Moderate-term OJT
43-4051	Customer Service Representatives	6,520	6,732	212	3.25	152	106	258	\$43,708	HS or EQ	None	ST-term OJT
43-4061	Eligibility Interviewers, Government Programs	666	668	2	0.3	6	1	7	\$57,810	HS or EQ	None	Moderate-term OJT
43-4071	File Clerks	602	607	5	0.83	12	2	14	\$45,212	HS or EQ	None	ST-term OJT
43-4081	Hotel, Motel, and Resort Desk Clerks	1,167	1,202	35	3	64	18	82	\$33,677	HS or EQ	None	ST-term OJT
43-4111	Interviewers, Except Eligibility and Loan	227	237	10	4.41	4	5	9	\$37,856	HS or EQ	None	ST-term OJT
43-4121	Library Assistants, Clerical	397	418	21	5.29	12	10	22	\$35,068	HS or EQ	None	ST-term OJT
43-4131	Loan Interviewers and Clerks	232	246	14	6.03	4	7	11	\$48,306	HS or EQ	None	ST-term OJT
43-4151	Order Clerks	65	66	1	1.54	2	0	2	\$35,919	HS or EQ	None	ST-term OJT
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	914	923	9	0.98	8	4	12	\$52,427	Associate's degree	None	None
43-4171	Receptionists and Information Clerks	4,515	4,579	64	1.42	128	32	160	\$33,693	HS or EQ	None	ST-term OJT
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	248	258	10	4.03	4	5	9	\$49,051	HS or EQ	None	ST-term OJT
43-4199	Information and Record Clerks, All Other	4,137	4,223	86	2.08	100	43	143	\$54,344	HS or EQ	None	ST-term OJT
43-5011	Cargo and Freight Agents	85	88	3	3.53	2	2	4	\$32,480	HS or EQ	None	ST-term OJT
43-5021	Couriers and Messengers	543	561	18	3.31	6	9	15	\$29,266	HS or EQ	None	ST-term OJT
43-5031	Police, Fire, and Ambulance Dispatchers	149	148	-1	-0.67	4	0	4	\$68,576	HS or EQ	None	Moderate-term OJT
43-5032	Dispatchers, Except Police, Fire, and Ambulance	825	863	38	4.61	21	19	40	\$42,171	HS or EQ	None	Moderate-term OJT
43-5051	Postal Service Clerks	131	121	-10	-7.63	2	0	2	\$57,105	HS or EQ	None	ST-term OJT
43-5052	Postal Service Mail Carriers	918	845	-73	-7.95	18	0	18	\$60,169	HS or EQ	None	ST-term OJT
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	540	487	-53	-9.81	7	0	7	\$57,097	HS or EQ	None	ST-term OJT
43-5061	Production, Planning, and Expediting Clerks	900	926	26	2.89	25	13	38	\$58,289	HS or EQ	None	Moderate-term OJT

**DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS: 2016 - 2018\***

Soccode	Occupational Title	Employment		Change 2016-2018		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2016	2018	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
43-5071	Shipping, Receiving, and Traffic Clerks	610	616	6	0.98	12	3	15	\$46,116	HS or EQ	None	ST-term OJT
43-5081	Stock Clerks and Order Fillers	2,664	2,767	103	3.87	90	52	142	\$28,976	No formal educ. credential	None	ST-term OJT
43-6011	Executive Secretaries and Executive Administrative Assistants	6,317	6,318	1	0.02	66	0	66	\$66,364	HS or EQ	Less than 5 years	None
43-6012	Legal Secretaries	4,534	4,664	130	2.87	48	65	113	\$83,905	HS or EQ	None	Moderate-term OJT
43-6013	Medical Secretaries	1,691	1,736	45	2.66	18	22	40	\$40,126	HS or EQ	None	Moderate-term OJT
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	15,383	15,714	331	2.15	162	166	328	\$46,627	HS or EQ	None	ST-term OJT
43-9011	Computer Operators	119	115	-4	-3.36	1	0	1	\$56,906	HS or EQ	None	Moderate-term OJT
43-9021	Data Entry Keyers	386	392	6	1.55	6	3	9	\$37,214	HS or EQ	None	Moderate-term OJT
43-9022	Word Processors and Typists	427	418	-9	-2.11	2	0	2	\$46,751	HS or EQ	None	ST-term OJT
43-9031	Desktop Publishers	79	75	-4	-5.06	2	0	2	\$61,286	Associate's degree	None	ST-term OJT
43-9041	Insurance Claims and Policy Processing Clerks	405	414	9	2.22	10	4	14	\$48,515	HS or EQ	None	Moderate-term OJT
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	1,401	1,323	-78	-5.57	31	0	31	\$44,409	HS or EQ	None	ST-term OJT
43-9061	Office Clerks, General	10,315	10,554	239	2.32	218	120	338	\$38,823	HS or EQ	None	ST-term OJT
43-9071	Office Machine Operators, Except Computer	741	724	-17	-2.29	16	0	16	\$38,456	HS or EQ	None	ST-term OJT
43-9081	Proofreaders and Copy Markers	49	48	-1	-2.04	1	0	1	\$51,579	Bachelor's degree	None	None
43-9111	Statistical Assistants	359	368	9	2.51	16	4	20	\$52,352	Bachelor's degree	None	None
43-9199	Office and Administrative Support Workers, All Other	3,211	3,297	86	2.68	85	43	128	\$37,797	HS or EQ	None	ST-term OJT
<b>45-0000</b>	<b>Farming, Fishing, and Forestry Occupations</b>	<b>393</b>	<b>404</b>	<b>11</b>	<b>2.8</b>	<b>10</b>	<b>6</b>	<b>16</b>	<b>\$38,588</b>			
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	114	116	2	1.75	3	1	4	\$55,337	No formal educ. credential	None	ST-term OJT
45-2099	Agricultural Workers, All Other	223	231	8	3.59	6	4	10	\$30,265	No formal educ. credential	None	ST-term OJT
45-4011	Forest and Conservation Workers	38	39	1	2.63	1	0	1	\$48,838	HS or EQ	None	Moderate-term OJT
<b>47-0000</b>	<b>Construction and Extraction Occupations</b>	<b>14,318</b>	<b>15,087</b>	<b>769</b>	<b>5.37</b>	<b>224</b>	<b>385</b>	<b>609</b>	<b>\$51,675</b>			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,227	1,285	58	4.73	10	29	39	\$78,154	HS or EQ	5 years or more	None
47-2021	Brickmasons and Blockmasons	213	226	13	6.1	2	6	8	\$63,018	HS or EQ	None	Apprenticeship
47-2022	Stonemasons	60	65	5	8.33	0	2	2	\$41,965	HS or EQ	None	Apprenticeship
47-2031	Carpenters	2,335	2,449	114	4.88	28	57	85	\$48,912	HS or EQ	None	Apprenticeship
47-2044	Tile and Marble Setters	37	39	2	5.41	0	1	1	\$38,934	No formal educ. credential	None	Long-term OJT
47-2051	Cement Masons and Concrete Finishers	572	612	40	6.99	8	20	28	\$46,755	No formal educ. credential	None	Moderate-term OJT
47-2061	Construction Laborers	3,674	3,903	229	6.23	72	114	186	\$37,429	No formal educ. credential	None	ST-term OJT
47-2071	Paving, Surfacing, and Tamping Equipment Operators	215	224	9	4.19	5	4	9	\$54,696	HS or EQ	None	Moderate-term OJT
47-2073	Operating Engineers and Other Construction Equipment Operators	588	616	28	4.76	10	14	24	\$60,505	HS or EQ	None	Moderate-term OJT
47-2081	Drywall and Ceiling Tile Installers	97	101	4	4.12	0	2	2	\$45,661	No formal educ. credential	None	Moderate-term OJT
47-2111	Electricians	1,173	1,241	68	5.8	18	34	52	\$68,613	HS or EQ	None	Apprenticeship
47-2121	Glaziers	292	301	9	3.08	5	4	9	\$48,539	HS or EQ	None	Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	33	34	1	3.03	1	0	1	\$36,969	No formal educ. credential	None	ST-term OJT
47-2132	Insulation Workers, Mechanical	69	73	4	5.8	2	2	4	\$49,152	HS or EQ	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	611	629	18	2.95	10	9	19	\$51,326	No formal educ. credential	None	Moderate-term OJT
47-2151	Pipelayers	105	111	6	5.71	2	3	5	\$49,147	No formal educ. credential	None	ST-term OJT
47-2152	Plumbers, Pipefitters, and Steamfitters	969	1,025	56	5.78	13	28	41	\$66,705	HS or EQ	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	70	73	3	4.29	0	2	2	\$57,414	No formal educ. credential	None	Long-term OJT

**DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS: 2016 - 2018\***

Soccode	Occupational Title	Employment		Change 2016-2018		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2016	2018	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
47-2171	Reinforcing Iron and Rebar Workers	184	201	17	9.24	3	8	11	\$43,207	HS or EQ	None	Apprenticeship
47-2181	Roofers	52	54	2	3.85	1	1	2	\$34,668	No formal educ. credential	None	Moderate-term OJT
47-2211	Sheet Metal Workers	35	35	0	0	0	0	0	\$59,101	HS or EQ	None	Apprenticeship
47-2221	Structural Iron and Steel Workers	245	259	14	5.71	5	7	12	\$56,018	HS or EQ	None	Apprenticeship
47-3012	Helpers--Carpenters	153	161	8	5.23	2	4	6	\$36,667	No formal educ. credential	None	ST-term OJT
47-3013	Helpers--Electricians	72	78	6	8.33	1	3	4	\$36,081	HS or EQ	None	ST-term OJT
47-3015	Helpers--Pipefitters, Plumbers, Pipefitters, and Steamfitters	490	524	34	6.94	8	17	25	\$33,162	HS or EQ	None	ST-term OJT
47-3019	Helpers, Construction Trades, All Other	60	63	3	5	1	2	3	\$35,558	No formal educ. credential	None	ST-term OJT
47-4011	Construction and Building Inspectors	311	320	9	2.89	8	4	12	\$85,487	HS or EQ	5 years or more	Moderate-term OJT
47-4021	Elevator Installers and Repairers	38	40	2	5.26	0	1	1	\$81,925	HS or EQ	None	Apprenticeship
47-4041	Hazardous Materials Removal Workers	148	147	-1	-0.68	2	0	2	\$51,266	HS or EQ	None	Moderate-term OJT
47-4051	Highway Maintenance Workers	33	33	0	0	1	0	1	\$59,618	HS or EQ	None	Moderate-term OJT
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	32	34	2	6.25	0	1	1	\$39,447	No formal educ. credential	None	Moderate-term OJT
47-4099	Construction and Related Workers, All Other	56	59	3	5.36	1	2	3	\$49,734	HS or EQ	None	Moderate-term OJT
<b>49-0000</b>	<b>Installation, Maintenance, and Repair Occupations</b>	<b>9,194</b>	<b>9,404</b>	<b>210</b>	<b>2.28</b>	<b>212</b>	<b>152</b>	<b>364</b>	<b>\$53,408</b>			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	720	734	14	1.94	14	7	21	\$74,425	HS or EQ	Less than 5 years	None
49-2011	Computer, Automated Teller, and Office Machine Repairers	70	72	2	2.86	2	1	3	\$32,548	Some college, no degree	None	ST-term OJT
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	171	155	-16	-9.36	2	0	2	\$67,094	Postsec. non-degree	None	Moderate-term OJT
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	177	180	3	1.69	3	2	5	\$86,471	Postsec. non-degree	None	Long-term OJT
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	139	141	2	1.44	2	1	3	\$87,936	Postsec. non-degree	None	Long-term OJT
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	108	112	4	3.7	2	2	4	\$45,407	Postsec. non-degree	None	ST-term OJT
49-3021	Automotive Body and Related Repairers	63	64	1	1.59	2	0	2	\$71,705	HS or EQ	None	Long-term OJT
49-3023	Automotive Service Technicians and Mechanics	465	471	6	1.29	12	3	15	\$59,671	Postsec. non-degree	None	ST-term OJT
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	107	115	8	7.48	2	4	6	\$56,844	HS or EQ	None	Long-term OJT
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	76	80	4	5.26	2	2	4	\$56,579	HS or EQ	None	Long-term OJT
49-3091	Bicycle Repairers	171	181	10	5.85	6	5	11	\$30,755	HS or EQ	None	Moderate-term OJT
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	318	329	11	3.46	5	6	11	\$67,710	Postsec. non-degree	None	Long-term OJT
49-9041	Industrial Machinery Mechanics	91	94	3	3.3	2	2	4	\$65,305	HS or EQ	None	Long-term OJT
49-9043	Maintenance Workers, Machinery	155	162	7	4.52	3	4	7	\$58,098	HS or EQ	None	Moderate-term OJT
49-9051	Electrical Power-Line Installers and Repairers	146	149	3	2.05	6	2	8	\$70,045	HS or EQ	None	Long-term OJT
49-9052	Telecommunications Line Installers and Repairers	239	160	-79	-33.1	4	0	4	\$43,371	HS or EQ	None	Long-term OJT
49-9062	Medical Equipment Repairers	41	43	2	4.88	0	1	1	\$50,524	Associate's degree	None	Moderate-term OJT
49-9071	Maintenance and Repair Workers, General	5,085	5,278	193	3.8	122	96	218	\$47,127	HS or EQ	None	Long-term OJT
49-9094	Locksmiths and Safe Repairers	48	48	0	0	2	0	2	\$60,123	HS or EQ	None	Long-term OJT
49-9096	Riggers	49	52	3	6.12	1	2	3	\$63,417	HS or EQ	None	ST-term OJT
49-9098	Helpers--Installation, Maintenance, and Repair Workers	311	320	9	2.89	10	4	14	\$41,512	HS or EQ	None	ST-term OJT
49-9099	Installation, Maintenance, and Repair Workers, All Other	259	269	10	3.86	4	5	9	\$38,376	HS or EQ	None	Moderate-term OJT
<b>51-0000</b>	<b>Production Occupations</b>	<b>5,389</b>	<b>5,521</b>	<b>132</b>	<b>2.45</b>	<b>109</b>	<b>69</b>	<b>178</b>	<b>\$52,728</b>			
51-1011	First-Line Supervisors of Production and Operating Workers	291	299	8	2.75	4	4	8	\$75,020	HS or EQ	Less than 5 years	None
51-2099	Assemblers and Fabricators, All Other	51	54	3	5.88	1	2	3	\$24,232	HS or EQ	None	Moderate-term OJT
51-3011	Bakers	298	309	11	3.69	6	6	12	\$30,600	No formal educ. credential	None	Long-term OJT

**DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS: 2016 - 2018\***

Soccode	Occupational Title	Employment		Change 2016-2018		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2016	2018	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
51-3021	Butchers and Meat Cutters	293	306	13	4.44	6	6	12	\$45,693	No formal educ. credential	None	Long-term OJT
51-3092	Food Batchmakers	111	116	5	4.5	2	2	4	\$29,676	HS or EQ	None	Moderate-term OJT
51-4041	Machinists	48	50	2	4.17	2	1	3	\$60,701	HS or EQ	None	Long-term OJT
51-4121	Welders, Cutters, Solderers, and Brazers	42	45	3	7.14	1	2	3	\$59,194	HS or EQ	None	Moderate-term OJT
51-5111	Prepress Technicians and Workers	316	320	4	1.27	5	2	7	\$76,631	Postsec. non-degree	None	None
51-5112	Printing Press Operators	716	718	2	0.28	11	1	12	\$89,788	HS or EQ	None	Moderate-term OJT
51-5113	Print Binding and Finishing Workers	336	343	7	2.08	5	4	9	\$75,855	HS or EQ	None	ST-term OJT
51-6011	Laundry and Dry-Cleaning Workers	412	419	7	1.7	6	4	10	\$34,797	No formal educ. credential	None	ST-term OJT
51-6021	Pressers, Textile, Garment, and Related Materials	124	124	0	0	3	0	3	\$22,017	No formal educ. credential	None	ST-term OJT
51-6031	Sewing Machine Operators	50	51	1	2	0	0	0	\$30,467	No formal educ. credential	None	ST-term OJT
51-6052	Tailors, Dressmakers, and Custom Sewers	302	302	0	0	10	0	10	\$45,455	No formal educ. credential	None	Moderate-term OJT
51-7011	Cabinetmakers and Bench Carpenters	92	97	5	5.43	1	2	3	\$58,932	HS or EQ	None	Moderate-term OJT
51-8021	Stationary Engineers and Boiler Operators	714	738	24	3.36	18	12	30	\$72,678	HS or EQ	None	Long-term OJT
51-8031	Water and Wastewater Treatment Plant and System Operators	227	240	13	5.73	4	6	10	\$54,869	HS or EQ	None	Long-term OJT
51-8099	Plant and System Operators, All Other	181	185	4	2.21	6	2	8	\$64,441	HS or EQ	None	Long-term OJT
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	90	94	4	4.44	2	2	4	\$54,271	HS or EQ	None	Moderate-term OJT
51-9081	Dental Laboratory Technicians	68	73	5	7.35	2	2	4	\$83,841	HS or EQ	None	Moderate-term OJT
51-9111	Packaging and Filling Machine Operators and Tenders	43	46	3	6.98	2	2	4	\$26,173	HS or EQ	None	Moderate-term OJT
51-9123	Painting, Coating, and Decorating Workers	46	48	2	4.35	1	1	2	\$60,738	No formal educ. credential	None	Moderate-term OJT
51-9151	Photographic Process Workers and Processing Machine Operators	70	66	-4	-5.71	2	0	2	\$23,533	HS or EQ	None	ST-term OJT
51-9199	Production Workers, All Other	147	152	5	3.4	3	2	5	\$35,080	HS or EQ	None	Moderate-term OJT
<b>53-0000</b>	<b>Transportation and Material Moving Occupations</b>	<b>17,007</b>	<b>17,637</b>	<b>630</b>	<b>3.7</b>	<b>448</b>	<b>320</b>	<b>768</b>	<b>\$38,063</b>			
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	79	82	3	3.8	2	2	4	\$57,007	HS or EQ	Less than 5 years	None
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and V	518	533	15	2.9	16	8	24	\$63,719	HS or EQ	Less than 5 years	None
53-2021	Air Traffic Controllers	709	723	14	1.97	21	7	28	\$117,811	Associate's degree	None	Long-term OJT
53-3021	Bus Drivers, Transit and Intercity	485	526	41	8.45	6	20	26	\$36,952	HS or EQ	None	Moderate-term OJT
53-3022	Bus Drivers, School or Special Client	3,806	4,101	295	7.75	45	148	193	\$40,556	HS or EQ	None	ST-term OJT
53-3031	Driver/Sales Workers	475	479	4	0.84	8	2	10	\$25,045	HS or EQ	None	ST-term OJT
53-3032	Heavy and Tractor-Trailer Truck Drivers	561	581	20	3.57	9	10	19	\$48,953	Postsec. non-degree	None	ST-term OJT
53-3033	Light Truck or Delivery Services Drivers	1,781	1,807	26	1.46	28	13	41	\$26,126	HS or EQ	None	ST-term OJT
53-3041	Taxi Drivers and Chauffeurs	1,354	1,428	74	5.47	23	37	60	\$30,361	No formal educ. credential	None	ST-term OJT
53-3099	Motor Vehicle Operators, All Other	603	604	1	0.17	18	0	18	\$52,677	No formal educ. credential	None	ST-term OJT
53-6021	Parking Lot Attendants	2,169	2,197	28	1.29	133	14	147	\$23,824	No formal educ. credential	None	ST-term OJT
53-6031	Automotive and Watercraft Service Attendants	98	106	8	8.16	4	4	8	\$26,863	No formal educ. credential	None	ST-term OJT
53-6041	Traffic Technicians	112	111	-1	-0.89	5	0	5	\$52,552	HS or EQ	None	Moderate-term OJT
53-6051	Transportation Inspectors	262	266	4	1.53	8	2	10	\$110,912	HS or EQ	None	Moderate-term OJT
53-6099	Transportation Workers, All Other	493	500	7	1.42	22	4	26	\$38,577	HS or EQ	None	ST-term OJT

**DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS: 2016 - 2018\***

Soccode	Occupational Title	Employment		Change 2016-2018		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2016	2018	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
53-7021	Crane and Tower Operators	118	122	4	3.39	4	2	6	\$69,273	HS or EQ	Less than 5 years	Moderate-term OJT
53-7032	Excavating and Loading Machine and Dragline Operators	61	65	4	6.56	1	2	3	\$54,054	HS or EQ	Less than 5 years	Moderate-term OJT
53-7051	Industrial Truck and Tractor Operators	75	78	3	4	2	2	4	\$51,874	No formal educ. credential	None	ST-term OJT
53-7061	Cleaners of Vehicles and Equipment	195	202	7	3.59	7	4	11	\$41,886	No formal educ. credential	None	ST-term OJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,119	2,186	67	3.16	66	34	100	\$37,497	No formal educ. credential	None	ST-term OJT
53-7064	Packers and Packagers, Hand	213	224	11	5.16	6	6	12	\$24,946	No formal educ. credential	None	ST-term OJT
53-7081	Refuse and Recyclable Material Collectors	632	624	-8	-1.27	14	0	14	\$43,906	No formal educ. credential	None	ST-term OJT

Notes: \*District of Columbia Short-Term Industry and Occupational Projections: 2016 - 2018

\*\*Bureau of Labor Statistics, Occupational Employment Statistics (OES), May 2016 survey

N/A - not available

Source: Department of Employment Services, Office of Economic Research, Performance & Data Analytics