

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Worker Characteristics				
		Employment		Change 2019-2021 Numeric	Percent	Labor Force Exits	Occupational Transfers	Occupational Emp. Change	Annual Total Openings	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
		2019	2021										
00-0000	Total, All Occupations	818,155	846,833	28,678	3.51	30,772	54,156	14,339	99,267	\$74,867			
11-0000	Management Occupations	113,538	116,583	3,045	2.68	2,687	6,642	1,522	10,851	\$143,310			
11-1000	Top Executives	33,612	34,766	1,154	3.43	730	2,202	577	3,509	N/A			
11-1011	Chief Executives	2,332	2,386	54	2.32	63	105	27	195	N/A	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	31,255	32,355	1,100	3.52	667	2,095	550	3,312	\$143,310	Bachelor's degree	5 years or more	None
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	8,214	8,696	482	5.87	180	554	241	975	N/A			
11-2011	Advertising and Promotions Managers	189	197	8	4.23	4	14	4	22	\$137,584	Bachelor's degree	Less than 5 years	None
11-2021	Marketing Managers	1,863	1,960	97	5.21	39	130	48	217	\$158,133	Bachelor's degree	5 years or more	None
11-2022	Sales Managers	1,139	1,197	58	5.09	24	80	29	133	\$126,480	Bachelor's degree	Less than 5 years	None
11-2031	Public Relations and Fundraising Managers	5,023	5,342	319	6.35	114	328	160	602	\$170,410	Bachelor's degree	5 years or more	None
11-3000	Operations Specialties Managers	19,997	20,510	513	2.57	435	1,174	256	1,865	N/A			
11-3011	Administrative Services Managers	1,657	1,703	46	2.78	46	94	23	163	\$117,056	Bachelor's degree	Less than 5 years	None
11-3021	Computer and Information Systems Managers	4,827	4,965	138	2.86	84	298	69	451	\$165,313	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	8,595	8,837	242	2.82	188	484	121	793	\$152,274	Bachelor's degree	5 years or more	None
11-3061	Purchasing Managers	2,132	2,137	5	0.23	52	127	2	181	\$139,432	Bachelor's degree	5 years or more	None
11-3071	Transportation, Storage, and Distribution Managers	504	510	6	1.19	11	29	3	43	\$145,090	HS or EQ	5 years or more	None
11-3111	Compensation and Benefits Managers	141	146	5	3.55	4	8	2	14	\$134,639	Bachelor's degree	5 years or more	None
11-3121	Human Resources Managers	1,803	1,852	49	2.72	42	113	24	179	\$159,452	Bachelor's degree	5 years or more	None
11-3131	Training and Development Managers	319	340	21	6.58	8	21	10	39	\$144,578	Bachelor's degree	5 years or more	None
11-9000	Other Management Occupations	51,715	52,611	896	1.73	1,341	2,713	448	4,502	N/A			
11-9021	Construction Managers	1,652	1,754	102	6.17	36	86	51	173	\$105,183	Bachelor's degree	None	Moderate-term OJT
11-9031	Education Administrators, Preschool and Childcare Center/Program	446	469	23	5.16	12	24	12	48	\$70,349	Bachelor's degree	Less than 5 years	None
11-9032	Education Administrators, Elementary and Secondary School	1,249	1,325	76	6.08	33	66	38	137	\$109,062	Master's degree	5 years or more	None
11-9033	Education Administrators, Postsecondary	1,448	1,463	15	1.04	38	76	8	122	\$95,865	Master's degree	Less than 5 years	None
11-9039	Education Administrators, All Other	1,162	1,191	29	2.50	30	61	14	105	\$110,996	Bachelor's degree	Less than 5 years	None
11-9041	Architectural and Engineering Managers	1,775	1,791	16	0.90	31	98	8	137	\$151,061	Bachelor's degree	5 years or more	None
11-9051	Food Service Managers	1,532	1,612	80	5.22	48	132	40	220	\$68,679	HS or EQ	Less than 5 years	None
11-9081	Lodging Managers	162	173	11	6.79	6	12	6	24	\$100,024	HS or EQ	Less than 5 years	None
11-9111	Medical and Health Services Managers	1,845	1,897	52	2.82	46	102	26	174	\$131,856	Bachelor's degree	Less than 5 years	None
11-9121	Natural Sciences Managers	1,432	1,456	24	1.68	30	97	12	139	\$136,671	Bachelor's degree	5 years or more	None
11-9141	Property, Real Estate, and Community Association Managers	2,541	2,689	148	5.82	98	104	74	276	\$73,128	HS or EQ	Less than 5 years	None
11-9151	Social and Community Service Managers	1,020	1,077	57	5.59	31	60	28	119	\$93,374	Bachelor's degree	Less than 5 years	None
11-9161	Emergency Management Directors	239	241	2	0.84	7	12	1	20	\$136,661	Bachelor's degree	5 years or more	None
11-9199	Managers, All Other	35,171	35,432	261	0.74	894	1,782	130	2,806	\$143,302	Bachelor's degree	Less than 5 years	None
13-0000	Business and Financial Operations Occupations	126,338	130,344	4,006	3.17	3,579	8,639	2,003	14,221	\$96,289			
13-1000	Business Operations Specialists	99,383	102,578	3,195	3.21	2,858	6,946	1,598	11,402	N/A			
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	221	231	10	4.52	8	18	5	31	\$74,376	Bachelor's degree	Less than 5 years	None
13-1020	Buyers and Purchasing Agents	3,247	3,198	-49	-1.51	102	234	-24	312	\$98,151	Bachelor's degree	None	Moderate-term OJT
13-1031	Claims Adjusters, Examiners, and Investigators	871	881	10	1.15	21	53	5	79	\$71,299	HS or EQ	None	Long-term OJT
13-1041	Compliance Officers	5,002	5,113	111	2.22	141	302	56	499	\$93,142	Bachelor's degree	None	Moderate-term OJT
13-1051	Cost Estimators	477	512	35	7.34	12	36	18	66	\$97,870	Bachelor's degree	None	Moderate-term OJT
13-1071	Human Resources Specialists	8,752	8,947	195	2.23	236	652	98	986	\$96,366	Bachelor's degree	None	None
13-1075	Labor Relations Specialists	462	472	10	2.16	12	34	5	51	\$83,505	Bachelor's degree	Less than 5 years	None
13-1081	Logisticians	1,420	1,463	43	3.03	34	104	22	160	\$97,198	Bachelor's degree	None	None
13-1111	Management Analysts	24,688	25,900	1,212	4.91	785	1,598	606	2,989	\$104,157	Bachelor's degree	Less than 5 years	None
13-1121	Meeting, Convention, and Event Planners	2,741	2,890	149	5.44	90	230	74	394	\$67,313	Bachelor's degree	None	None
13-1131	Fundraisers	2,609	2,766	157	6.02	88	191	78	357	\$78,496	Bachelor's degree	None	None
13-1141	Compensation, Benefits, and Job Analysis Specialists	560	578	18	3.21	18	36	9	63	\$87,418	Bachelor's degree	Less than 5 years	None
13-1151	Training and Development Specialists	1,928	2,032	104	5.39	59	154	52	265	\$73,506	Bachelor's degree	Less than 5 years	None
13-1161	Market Research Analysts and Marketing Specialists	6,663	7,212	549	8.24	163	546	274	983	\$74,828	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	39,742	40,383	641	1.61	1,088	2,758	320	4,166	\$98,321	Bachelor's degree	None	None

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Annual	Worker Characteristics			
		2019	2021	Change 2019-2021	Percent	Labor Force Exits	Occupational Transfers	Occupational Emp. Change	Openings	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
		2019	2021	Numeric	Percent	Exits	Transfers	Occupational	2019-2021	Annual Wage**	Typical Education	in a related Occupation	training needed to attain competency
13-2000	Financial Specialists	26,955	27,766	811	3.01	722	1,693	406	2,821	N/A			
13-2011	Accountants and Auditors	13,120	13,544	424	3.23	376	866	212	1,454	\$94,738	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	224	232	8	3.57	8	9	4	21	\$98,426	Bachelor's degree	None	Long-term OJT
13-2031	Budget Analysts	2,409	2,444	35	1.45	60	129	18	207	\$101,990	Bachelor's degree	None	None
13-2041	Credit Analysts	421	432	11	2.61	10	29	6	45	\$110,767	Bachelor's degree	None	None
13-2051	Financial Analysts	4,044	4,272	228	5.64	80	273	114	467	\$94,818	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	850	890	40	4.71	20	46	20	86	\$140,084	Bachelor's degree	None	Long-term OJT
13-2061	Financial Examiners	718	727	9	1.25	15	39	4	58	\$161,551	Bachelor's degree	None	Long-term OJT
13-2071	Credit Counselors	137	140	3	2.19	4	8	2	14	\$68,101	Bachelor's degree	None	Moderate-term OJT
13-2072	Loan Officers	377	386	9	2.39	9	23	4	36	\$78,042	Bachelor's degree	None	Moderate-term OJT
13-2081	Tax Examiners and Collectors, and Revenue Agents	396	396	0	0.00	16	18	0	34	\$78,182	Bachelor's degree	None	Moderate-term OJT
13-2082	Tax Preparers	303	311	8	2.64	15	20	4	39	\$52,212	HS or EQ	None	Moderate-term OJT
13-2099	Financial Specialists, All Other	3,920	3,955	35	0.89	110	230	18	358	\$103,405	Bachelor's degree	None	Moderate-term OJT
15-0000	Computer and Mathematical Occupations	48,253	50,626	2,373	4.92	816	2,794	1,186	4,796	\$111,103			
15-1100	Computer Occupations	45,317	47,538	2,221	4.90	757	2,637	1,110	4,504	N/A			
15-1111	Computer and Information Research Scientists	529	549	20	3.78	8	34	10	52	\$127,662	Master's degree	None	None
15-1121	Computer Systems Analysts	4,157	4,403	246	5.92	82	228	123	433	\$108,535	Bachelor's degree	None	None
15-1122	Information Security Analysts	1,592	1,776	184	11.56	24	96	92	212	\$121,598	Bachelor's degree	Less than 5 years	None
15-1131	Computer Programmers	1,239	1,281	42	3.39	20	68	21	109	\$110,021	Bachelor's degree	None	None
15-1132	Software Developers, Applications	2,783	3,014	231	8.30	40	164	116	320	\$117,650	Bachelor's degree	None	None
15-1133	Software Developers, Systems Software	2,643	2,833	190	7.19	38	155	95	288	\$119,084	Bachelor's degree	None	None
15-1134	Web Developers	1,421	1,499	78	5.49	25	86	39	150	\$89,736	Associate's degree	None	None
15-1141	Database Administrators	1,008	1,067	59	5.85	20	54	30	104	\$95,145	Bachelor's degree	None	None
15-1142	Network and Computer Systems Administrators	2,023	2,137	114	5.64	35	110	57	202	\$100,925	Bachelor's degree	None	None
15-1143	Computer Network Architects	1,013	1,074	61	6.02	14	58	30	102	\$127,837	Bachelor's degree	5 years or more	None
15-1151	Computer User Support Specialists	4,353	4,612	259	5.95	82	285	130	497	\$68,730	Some college, no de	None	None
15-1152	Computer Network Support Specialists	523	559	36	6.88	10	34	18	62	\$86,964	Associate's degree	None	None
15-1199	Computer Occupations, All Other	22,033	22,734	701	3.18	360	1,266	350	1,976	\$120,885	Bachelor's degree	None	None
15-2000	Mathematical Science Occupations	2,936	3,088	152	5.18	59	157	76	292	N/A			
15-2011	Actuaries	211	214	3	1.42	2	10	2	14	\$127,427	Bachelor's degree	None	Long-term OJT
15-2021	Mathematicians	73	77	4	5.48	2	4	2	8	\$127,662	Master's degree	None	None
15-2031	Operations Research Analysts	1,019	1,066	47	4.61	24	44	24	92	\$114,059	Bachelor's degree	None	None
15-2041	Statisticians	1,573	1,671	98	6.23	30	95	49	174	\$107,825	Master's degree	None	None
15-2090	Miscellaneous Mathematical Science Occupations	60	60	0	0.00	1	4	0	5	\$70,387	Bachelor's degree	None	None
17-0000	Architecture and Engineering Occupations	14,033	14,413	380	2.71	324	740	190	1,254	\$108,646			
17-1000	Architects, Surveyors, and Cartographers	2,341	2,447	106	4.53	57	126	53	236	N/A			
17-1011	Architects, Except Landscape and Naval	2,200	2,299	99	4.50	54	119	50	223	\$96,256	Bachelor's degree	None	Internship/residency
17-1022	Surveyors	71	77	6	8.45	2	4	3	9	\$77,033	Bachelor's degree	None	Internship/residency
17-2000	Engineers	9,514	9,714	200	2.10	194	466	100	760	N/A			
17-2011	Aerospace Engineers	407	414	7	1.72	8	18	4	30	\$147,791	Bachelor's degree	None	None
17-2031	Biomedical Engineers	61	64	3	4.92	2	3	2	7	\$79,883	Bachelor's degree	None	None
17-2041	Chemical Engineers	109	111	2	1.83	2	4	1	7	\$124,154	Bachelor's degree	None	None
17-2051	Civil Engineers	1,143	1,201	58	5.07	24	68	29	121	\$98,741	Bachelor's degree	None	None
17-2061	Computer Hardware Engineers	420	440	20	4.76	8	22	10	40	\$127,669	Bachelor's degree	None	None
17-2071	Electrical Engineers	586	609	23	3.92	12	28	12	52	\$117,990	Bachelor's degree	None	None
17-2072	Electronics Engineers, Except Computer	619	620	1	0.16	12	28	0	40	\$127,659	Bachelor's degree	None	None
17-2081	Environmental Engineers	371	378	7	1.89	10	18	4	32	\$103,774	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	243	254	11	4.53	5	12	6	23	\$119,535	Bachelor's degree	None	None
17-2112	Industrial Engineers	151	156	5	3.31	3	8	2	13	\$83,379	Bachelor's degree	None	None
17-2121	Marine Engineers and Naval Architects	886	937	51	5.76	14	38	26	78	\$123,665	Bachelor's degree	None	None
17-2131	Materials Engineers	109	108	-1	-0.92	2	4	0	6	\$127,673	Bachelor's degree	None	None

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Annual	Worker Characteristics			
		2019-2021, annual average		Change 2019-2021 Numeric	Percent	Labor Force Exits	Occupational Transfers	Occupational Emp. Change	Total Openings	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
		2019	2021										
17-2141	Mechanical Engineers	738	751	13	1.76	14	36	6	56	\$117,614	Bachelor's degree	None	None
17-2161	Nuclear Engineers	129	130	1	0.78	2	6	0	8	\$173,419	Bachelor's degree	None	None
17-2199	Engineers, All Other	3,504	3,502	-2	-0.06	72	170	-1	241	\$142,870	Bachelor's degree	None	None
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	2,178	2,252	74	3.40	74	148	37	259	N/A			
17-3011	Architectural and Civil Drafters	811	839	28	3.45	28	58	14	100	\$67,312	Associate's degree	None	None
17-3012	Electrical and Electronics Drafters	184	195	11	5.98	6	13	6	25	\$93,421	Associate's degree	None	None
17-3013	Mechanical Drafters	52	55	3	5.77	2	4	2	8	\$46,951	Associate's degree	None	None
17-3022	Civil Engineering Technicians	190	196	6	3.16	6	12	3	21	\$84,275	Associate's degree	None	None
17-3023	Electrical and Electronics Engineering Technicians	451	472	21	4.66	16	30	10	56	\$82,440	Associate's degree	None	None
17-3027	Mechanical Engineering Technicians	52	55	3	5.77	2	4	2	8	\$51,780	Associate's degree	None	None
17-3029	Engineering Technicians, Except Drafters, All Other	400	401	1	0.25	13	26	0	39	\$96,174	Associate's degree	None	None
19-0000	Life, Physical, and Social Science Occupations	28,928	29,933	1,005	3.47	640	2,200	502	3,342	\$107,157			
19-1000	Life Scientists	1,960	2,006	46	2.35	32	156	23	211	N/A			
19-1012	Food Scientists and Technologists	65	67	2	3.08	2	6	1	9	\$98,022	Bachelor's degree	None	None
19-1013	Soil and Plant Scientists	75	75	0	0.00	2	7	0	9	\$82,541	Bachelor's degree	None	None
19-1022	Microbiologists	70	70	0	0.00	1	6	0	7	\$98,016	Bachelor's degree	None	None
19-1023	Zoologists and Wildlife Biologists	104	104	0	0.00	2	8	0	10	\$104,570	Bachelor's degree	None	None
19-1029	Biological Scientists, All Other	604	609	5	0.83	10	46	2	58	\$85,180	Bachelor's degree	None	None
19-1031	Conservation Scientists	337	353	16	4.75	6	29	8	43	\$69,457	Bachelor's degree	None	None
19-1042	Medical Scientists, Except Epidemiologists	605	627	22	3.64	8	46	11	65	\$91,345	Doctoral or prof. deg	None	None
19-2000	Physical Scientists	4,207	4,287	80	1.90	72	334	40	446	N/A			
19-2011	Astronomers	88	88	0	0.00	2	6	0	8	\$124,166	Doctoral or prof. deg	None	None
19-2012	Physicists	791	813	22	2.78	14	50	11	75	\$150,248	Doctoral or prof. deg	None	None
19-2031	Chemists	329	332	3	0.91	6	24	2	32	\$127,419	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including Health	1,900	1,946	46	2.42	36	172	23	231	\$120,881	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	59	60	1	1.69	1	6	0	7	\$127,426	Bachelor's degree	None	None
19-2043	Hydrologists	52	53	1	1.92	1	4	0	5	\$98,402	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	945	950	5	0.53	13	69	2	84	\$138,991	Bachelor's degree	None	None
19-3000	Social Scientists and Related Workers	18,395	18,987	592	3.22	418	1,299	296	2,013	N/A			
19-3011	Economists	8,730	9,158	428	4.90	127	528	214	869	\$124,149	Master's degree	None	None
19-3022	Survey Researchers	170	177	7	4.12	6	14	4	24	\$61,638	Master's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	812	845	33	4.06	18	40	16	74	\$87,724	Doctoral or prof. deg	None	Internship/residency
19-3039	Psychologists, All Other	252	257	5	1.98	6	12	2	20	\$98,025	Master's degree	None	Internship/residency
19-3041	Sociologists	72	76	4	5.56	2	6	2	10	\$96,831	Master's degree	None	None
19-3051	Urban and Regional Planners	277	287	10	3.61	4	22	5	31	\$112,006	Master's degree	None	None
19-3091	Anthropologists and Archeologists	61	61	0	0.00	2	5	0	7	\$101,296	Master's degree	None	None
19-3093	Historians	284	283	-1	-0.35	9	24	0	33	\$107,839	Master's degree	None	None
19-3094	Political Scientists	4,396	4,481	85	1.93	138	370	42	550	\$124,906	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	3,302	3,323	21	0.64	104	276	10	390	\$101,285	Bachelor's degree	None	None
19-4000	Life, Physical, and Social Science Technicians	4,366	4,653	287	6.57	118	411	144	673	N/A			
19-4021	Biological Technicians	361	366	5	1.39	6	32	2	40	\$53,064	Bachelor's degree	None	None
19-4061	Social Science Research Assistants	3,247	3,507	260	8.01	92	308	130	530	\$55,724	Bachelor's degree	None	None
19-4091	Environmental Science and Protection Technicians, Including Health	150	153	3	2.00	4	14	2	20	\$62,769	Associate's degree	None	None
19-4092	Forensic Science Technicians	199	204	5	2.51	6	18	2	26	\$79,838	Bachelor's degree	None	Moderate-term OJT
19-4099	Life, Physical, and Social Science Technicians, All Other	340	351	11	3.24	10	32	6	48	\$57,186	Associate's degree	None	None
21-0000	Community and Social Service Occupations	12,441	13,007	566	4.55	444	914	283	1,641	\$60,262			
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	11,606	12,127	521	4.49	399	854	260	1,513	N/A			
21-1012	Educational, Guidance, School, and Vocational Counselors	1,831	1,920	89	4.86	60	131	44	235	\$67,180	Master's degree	None	None
21-1015	Rehabilitation Counselors	730	760	30	4.11	24	52	15	91	\$43,473	Master's degree	None	None
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	650	685	35	5.38	22	46	18	86	\$60,208	Bachelor's degree	None	None
21-1019	Counselors, All Other	336	353	17	5.06	11	24	8	43	\$45,907	Master's degree	None	None

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Worker Characteristics				
		Employment		Change 2019-2021		Labor Force	Occupational	Occupational	Annual	Work Experience		Typical on-the-job	
		2019	2021	Numeric	Percent	Exits	Transfers	Emp. Change	Openings	Median	Typical Education	in a related Occupation	training needed to attain competency
21-1021	Child, Family, and School Social Workers	2,361	2,447	86	3.64	71	164	43	278	\$70,724	Bachelor's degree	None	None
21-1022	Healthcare Social Workers	448	463	15	3.35	14	31	8	53	\$73,287	Master's degree	None	Internship/residency
21-1023	Mental Health and Substance Abuse Social Workers	493	512	19	3.85	15	34	10	59	\$73,991	Master's degree	None	Internship/residency
21-1029	Social Workers, All Other	289	295	6	2.08	8	20	3	31	\$82,975	Bachelor's degree	None	None
21-1091	Health Educators	750	766	16	2.13	28	58	8	94	\$90,924	Bachelor's degree	None	None
21-1092	Probation Officers and Correctional Treatment Specialists	103	106	3	2.91	2	6	2	10	\$77,250	Bachelor's degree	None	Short-term OJT
21-1093	Social and Human Service Assistants	1,974	2,083	109	5.52	81	160	54	295	\$44,333	HS or EQ	None	Short-term OJT
21-1094	Community Health Workers	968	1,027	59	6.10	37	76	30	143	\$58,533	HS or EQ	None	Short-term OJT
21-1099	Community and Social Service Specialists, All Other	636	671	35	5.50	24	50	18	92	\$51,706	Bachelor's degree	None	None
21-2000	Religious Workers	835	880	45	5.39	44	61	22	127	N/A			
21-2011	Clergy	149	153	4	2.68	6	10	2	18	\$58,730	Bachelor's degree	None	Moderate-term OJT
21-2021	Directors, Religious Activities and Education	350	371	21	6.00	18	27	10	55	\$84,087	Bachelor's degree	Less than 5 years	None
21-2099	Religious Workers, All Other	336	356	20	5.95	20	24	10	54	\$32,459	Bachelor's degree	None	None
23-0000	Legal Occupations	49,516	50,922	1,406	2.84	1,188	1,708	703	3,599	\$158,962			
23-1000	Lawyers, Judges, and Related Workers	40,342	41,388	1,046	2.59	877	1,082	523	2,482	N/A			
23-1011	Lawyers	39,844	40,888	1,044	2.62	866	1,068	522	2,456	\$167,415	Doctoral or prof. deg	None	None
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	395	395	0	0.00	8	10	0	18	\$150,587	Doctoral or prof. deg	5 years or more	Short-term OJT
23-1022	Arbitrators, Mediators, and Conciliators	103	105	2	1.94	2	3	1	6	\$94,695	Bachelor's degree	Less than 5 years	Moderate-term OJT
23-2000	Legal Support Workers	9,174	9,534	360	3.92	312	626	180	1,118	N/A			
23-2011	Paralegals and Legal Assistants	6,234	6,519	285	4.57	213	462	142	817	\$81,472	Associate's degree	None	None
23-2091	Court Reporters	65	70	5	7.69	2	4	2	8	\$48,723	Postsecondary non-d	None	Short-term OJT
23-2093	Title Examiners, Abstractors, and Searchers	60	63	3	5.00	2	4	2	8	\$73,347	HS or EQ	None	Moderate-term OJT
23-2099	Legal Support Workers, All Other	2,815	2,882	67	2.38	94	158	34	286	\$64,692	Associate's degree	None	None
25-0000	Education, Training, and Library Occupations	34,945	36,248	1,303	3.73	1,430	1,716	652	3,798	\$71,702			
25-1000	Postsecondary Teachers	12,516	12,716	200	1.60	464	579	100	1,143	N/A			
25-1011	Business Teachers, Postsecondary	607	625	18	2.97	22	28	9	59	\$100,245	Doctoral or prof. deg	None	None
25-1021	Computer Science Teachers, Postsecondary	196	198	2	1.02	7	9	1	17	\$109,282	Doctoral or prof. deg	None	None
25-1022	Mathematical Science Teachers, Postsecondary	210	212	2	0.95	8	10	1	19	\$87,866	Doctoral or prof. deg	None	None
25-1032	Engineering Teachers, Postsecondary	137	139	2	1.46	5	6	1	12	\$137,064	Doctoral or prof. deg	None	None
25-1042	Biological Science Teachers, Postsecondary	370	377	7	1.89	14	17	4	35	\$126,894	Doctoral or prof. deg	None	None
25-1052	Chemistry Teachers, Postsecondary	98	99	1	1.02	4	4	0	8	\$72,844	Doctoral or prof. deg	None	None
25-1054	Physics Teachers, Postsecondary	78	79	1	1.28	3	4	0	7	\$99,588	Doctoral or prof. deg	None	None
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	436	441	5	1.15	16	20	2	38	\$91,215	Doctoral or prof. deg	None	None
25-1063	Economics Teachers, Postsecondary	218	220	2	0.92	8	10	1	19	\$104,137	Doctoral or prof. deg	None	None
25-1065	Political Science Teachers, Postsecondary	1,103	1,115	12	1.09	41	51	6	98	\$107,391	Doctoral or prof. deg	None	None
25-1066	Psychology Teachers, Postsecondary	137	140	3	2.19	5	6	2	13	\$102,422	Doctoral or prof. deg	None	None
25-1067	Sociology Teachers, Postsecondary	134	135	1	0.75	5	6	0	11	\$119,971	Doctoral or prof. deg	None	None
25-1071	Health Specialties Teachers, Postsecondary	932	969	37	3.97	35	44	18	97	\$93,525	Doctoral or prof. deg	Less than 5 years	None
25-1072	Nursing Instructors and Teachers, Postsecondary	534	557	23	4.31	20	25	12	57	\$140,300	Doctoral or prof. deg	Less than 5 years	None
25-1081	Education Teachers, Postsecondary	1,767	1,786	19	1.08	66	82	10	158	\$62,866	Doctoral or prof. deg	Less than 5 years	None
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	85	87	2	2.35	3	4	1	8	\$89,499	Doctoral or prof. deg	None	None
25-1112	Law Teachers, Postsecondary	1,500	1,519	19	1.27	56	69	10	135	\$104,840	Doctoral or prof. deg	Less than 5 years	None
25-1121	Art, Drama, and Music Teachers, Postsecondary	474	480	6	1.27	18	22	3	43	\$83,368	Master's degree	None	None
25-1122	Communications Teachers, Postsecondary	278	280	2	0.72	10	13	1	24	\$79,132	Doctoral or prof. deg	None	None
25-1123	English Language and Literature Teachers, Postsecondary	346	350	4	1.16	13	16	2	31	\$95,265	Doctoral or prof. deg	None	None
25-1124	Foreign Language and Literature Teachers, Postsecondary	687	700	13	1.89	26	32	6	64	\$69,871	Doctoral or prof. deg	None	None
25-1125	History Teachers, Postsecondary	109	110	1	0.92	4	5	0	9	\$107,493	Doctoral or prof. deg	None	None
25-1126	Philosophy and Religion Teachers, Postsecondary	506	514	8	1.58	19	24	4	47	\$81,353	Doctoral or prof. deg	None	None
25-1191	Graduate Teaching Assistants	108	109	1	0.93	4	5	0	9	\$31,914	Bachelor's degree	None	None
25-1194	Vocational Education Teachers, Postsecondary	81	80	-1	-1.23	3	4	0	7	\$68,335	Bachelor's degree	Less than 5 years	None
25-1199	Postsecondary Teachers, All Other	1,130	1,138	8	0.71	42	52	4	98	\$73,717	Doctoral or prof. deg	None	None

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Annual Total	Annual Openings	Median Annual Wage**	Worker Characteristics		
		2019	2021	Numeric	Percent	Labor Force Exits	Occupational Transfers	Occupational Emp. Change				Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
		2019	2021	Numeric	Percent	Exits	Transfers	Emp. Change	Openings	Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency	
25-2000	Preschool, Primary, Secondary, and Special Education School Teachers	11,418	12,113	695	6.09	369	530	348	1,247	N/A				
25-2011	Preschool Teachers, Except Special Education	1,558	1,648	90	5.78	64	98	45	207	\$39,674	Associate's degree	None	None	
25-2012	Kindergarten Teachers, Except Special Education	89	95	6	6.74	4	6	3	13	\$56,447	Bachelor's degree	None	None	
25-2021	Elementary School Teachers, Except Special Education	3,446	3,657	211	6.12	110	152	106	368	\$79,580	Bachelor's degree	None	None	
25-2022	Middle School Teachers, Except Special and Career/Technical Education	769	818	49	6.37	24	34	24	82	\$73,949	Bachelor's degree	None	None	
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	4,015	4,263	248	6.18	115	175	124	414	\$64,658	Bachelor's degree	None	None	
25-2052	Special Education Teachers, Kindergarten and Elementary School	620	657	37	5.97	21	27	18	66	\$81,815	Bachelor's degree	None	None	
25-2053	Special Education Teachers, Middle School	205	217	12	5.85	7	9	6	22	\$79,207	Bachelor's degree	None	None	
25-2054	Special Education Teachers, Secondary School	514	545	31	6.03	18	22	16	56	\$73,878	Bachelor's degree	None	None	
25-2059	Special Education Teachers, All Other	166	175	9	5.42	6	7	4	17	\$64,202	Bachelor's degree	None	None	
25-3000	Other Teachers and Instructors	2,854	2,945	91	3.19	168	163	46	377	N/A				
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	282	284	2	0.71	16	16	1	33	\$60,811	Bachelor's degree	None	None	
25-3021	Self-Enrichment Education Teachers	714	745	31	4.34	42	41	16	99	\$49,947	HS or EQ	Less than 5 years	None	
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	1,737	1,788	51	2.94	102	99	26	227	\$69,798	Bachelor's degree	None	None	
25-3098	Substitute Teachers	121	128	7	5.79	7	7	4	18	\$32,059	Bachelor's degree	None	None	
25-4000	Librarians, Curators, and Archivists	2,854	2,906	52	1.82	168	162	26	356	N/A				
25-4011	Archivists	265	274	9	3.40	12	17	4	33	\$75,647	Master's degree	None	None	
25-4012	Curators	206	212	6	2.91	10	14	3	27	\$81,768	Master's degree	None	None	
25-4013	Museum Technicians and Conservators	562	565	3	0.53	26	36	2	64	\$68,667	Bachelor's degree	None	None	
25-4021	Librarians	1,178	1,212	34	2.89	64	54	17	135	\$84,751	Master's degree	None	None	
25-4031	Library Technicians	643	643	0	0.00	58	42	0	100	\$50,515	Postsecondary non-d	None	None	
25-9000	Other Education, Training, and Library Occupations	5,303	5,568	265	5.00	261	282	132	675	N/A				
25-9011	Audio-Visual and Multimedia Collections Specialists	71	74	3	4.23	3	4	2	9	\$78,450	Bachelor's degree	Less than 5 years	None	
25-9031	Instructional Coordinators	1,588	1,648	60	3.78	68	83	30	181	\$96,171	Master's degree	5 years or more	None	
25-9041	Teacher Assistants	2,947	3,119	172	5.84	161	158	86	405	\$35,580	Some college, no de	None	None	
25-9099	Education, Training, and Library Workers, All Other	697	727	30	4.30	30	36	15	81	\$82,739	Bachelor's degree	None	None	
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	42,740	44,640	1,900	4.45	1,466	3,177	950	5,593	\$85,195				
27-1000	Art and Design Workers	6,618	6,750	132	1.99	277	418	66	761	N/A				
27-1011	Art Directors	1,199	1,229	30	2.50	62	70	15	147	\$76,018	Bachelor's degree	5 years or more	None	
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	72	72	0	0.00	4	4	0	8	\$30,392	Bachelor's degree	None	Long-term OJT	
27-1014	Multimedia Artists and Animators	138	139	1	0.72	7	8	0	15	\$92,954	Bachelor's degree	None	None	
27-1019	Artists and Related Workers, All Other	1,768	1,763	-5	-0.28	90	102	-2	190	\$98,920	No formal educ. cred	None	Long-term OJT	
27-1023	Floral Designers	188	182	-6	-3.19	6	12	-3	15	\$43,001	HS or EQ	None	Moderate-term OJT	
27-1024	Graphic Designers	2,074	2,151	77	3.71	68	142	38	248	\$70,380	Bachelor's degree	None	None	
27-1025	Interior Designers	663	685	22	3.32	22	46	11	79	\$75,913	Bachelor's degree	None	None	
27-1026	Merchandise Displayers and Window Trimmers	155	158	3	1.94	5	10	2	17	\$35,939	HS or EQ	None	Short-term OJT	
27-1027	Set and Exhibit Designers	258	263	5	1.94	8	18	2	28	\$75,646	Bachelor's degree	None	None	
27-1029	Designers, All Other	72	76	4	5.56	2	5	2	9	\$68,305	Bachelor's degree	None	None	
27-2000	Entertainers and Performers, Sports and Related Workers	4,143	4,295	152	3.67	148	332	76	556	N/A				
27-2011	Actors	331	343	12	3.63	12	27	6	45	N/A		Some college, no de	None	Long-term OJT
27-2012	Producers and Directors	2,300	2,395	95	4.13	51	179	48	278	\$84,676	Bachelor's degree	Less than 5 years	None	
27-2022	Coaches and Scouts	588	605	17	2.89	34	54	8	96	\$54,123	Bachelor's degree	None	None	
27-2031	Dancers	127	131	4	3.15	8	14	2	24	N/A		No formal educ. cred	None	Long-term OJT
27-2032	Choreographers	116	119	3	2.59	8	13	2	23	\$67,576	HS or EQ	5 years or more	Long-term OJT	
27-2041	Music Directors and Composers	133	136	3	2.26	8	8	2	18	\$59,545	Bachelor's degree	Less than 5 years	None	
27-2042	Musicians and Singers	265	276	11	4.15	16	16	6	38	N/A		No formal educ. cred	None	Long-term OJT
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	265	271	6	2.26	12	19	3	34	N/A		No formal educ. cred	None	Short-term OJT
27-3000	Media and Communication Workers	28,535	30,016	1,481	5.19	929	2,176	740	3,845	N/A				
27-3011	Radio and Television Announcers	411	428	17	4.14	18	31	8	57	\$66,766	Bachelor's degree	None	None	
27-3021	Broadcast News Analysts	388	409	21	5.41	14	35	10	59	\$97,193	Bachelor's degree	None	None	
27-3022	Reporters and Correspondents	2,032	2,121	89	4.38	72	183	44	299	\$97,100	Bachelor's degree	None	None	

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Worker Characteristics				
		2019-2021, annual average		Change 2019-2021	Percent	Labor Force Exits	Occupational Transfers	Occupational Emp. Change	Annual Total Openings	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
		2019	2021										
27-3031	Public Relations Specialists	18,042	19,198	1,156	6.41	550	1,384	578	2,512	\$91,612	Bachelor's degree	None	None
27-3041	Editors	3,755	3,875	120	3.20	116	301	60	477	\$82,381	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	715	755	40	5.59	23	48	20	91	\$86,997	Bachelor's degree	Less than 5 years	Short-term OJT
27-3043	Writers and Authors	2,410	2,423	13	0.54	103	149	6	258	\$101,411	Bachelor's degree	None	Long-term OJT
27-3091	Interpreters and Translators	544	565	21	3.86	24	31	10	65	\$102,931	Bachelor's degree	None	None
27-3099	Media and Communication Workers, All Other	233	238	5	2.15	10	13	2	25	\$67,032	HS or EQ	None	Short-term OJT
27-4000	Media and Communication Equipment Workers	3,444	3,579	135	3.92	112	250	68	430	N/A			
27-4011	Audio and Video Equipment Technicians	741	787	46	6.21	25	56	23	104	\$63,328	Postsecondary non-d	None	Short-term OJT
27-4012	Broadcast Technicians	652	684	32	4.91	22	49	16	87	\$88,876	Associate's degree	None	Short-term OJT
27-4013	Radio Operators	64	65	1	1.56	2	5	0	7	\$58,141	HS or EQ	None	Short-term OJT
27-4014	Sound Engineering Technicians	88	90	2	2.27	3	6	1	10	\$72,560	Postsecondary non-d	None	Short-term OJT
27-4021	Photographers	522	526	4	0.77	20	32	2	54	\$87,461	HS or EQ	None	Moderate-term OJT
27-4031	Camera Operators, Television, Video, and Motion Picture	650	685	35	5.38	18	48	18	84	\$83,444	Bachelor's degree	None	None
27-4032	Film and Video Editors	252	267	15	5.95	7	18	8	33	\$71,140	Bachelor's degree	None	None
27-4099	Media and Communication Equipment Workers, All Other	475	475	0	0.00	16	35	0	51	\$111,102	HS or EQ	None	Short-term OJT
29-0000	Healthcare Practitioners and Technical Occupations	34,602	35,712	1,110	3.21	876	1,008	555	2,439	\$85,506			
29-1000	Health Diagnosing and Treating Practitioners	23,940	24,700	760	3.17	575	560	380	1,515	N/A			
29-1021	Dentists, General	409	421	12	2.93	9	4	6	19	\$175,376	Doctoral or prof. deg	None	None
29-1031	Dietitians and Nutritionists	467	485	18	3.85	16	14	9	39	\$68,703	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	116	122	6	5.17	2	2	3	7	\$81,319	Doctoral or prof. deg	None	None
29-1051	Pharmacists	963	986	23	2.39	23	21	12	56	\$130,179	Doctoral or prof. deg	None	None
29-1061	Anesthesiologists	228	232	4	1.75	4	3	2	9	N/A	Doctoral or prof. deg	None	Internship/residency
29-1062	Family and General Practitioners	378	384	6	1.59	6	5	3	14	\$163,106	Doctoral or prof. deg	None	Internship/residency
29-1063	Internists, General	1,328	1,357	29	2.18	22	17	14	53	\$87,791	Doctoral or prof. deg	None	Internship/residency
29-1064	Obstetricians and Gynecologists	189	194	5	2.65	3	2	2	7	N/A	Doctoral or prof. deg	None	Internship/residency
29-1065	Pediatricians, General	320	328	8	2.50	6	4	4	14	\$116,147	Doctoral or prof. deg	None	Internship/residency
29-1066	Psychiatrists	228	233	5	2.19	4	3	2	9	\$191,315	Doctoral or prof. deg	None	Internship/residency
29-1067	Surgeons	324	331	7	2.16	6	4	4	14	N/A	Doctoral or prof. deg	None	Internship/residency
29-1069	Physicians and Surgeons, All Other	2,415	2,477	62	2.57	40	32	31	103	\$202,056	Doctoral or prof. deg	None	Internship/residency
29-1071	Physician Assistants	631	675	44	6.97	10	27	22	59	\$119,863	Master's degree	None	None
29-1122	Occupational Therapists	374	389	15	4.01	8	13	8	29	\$94,604	Master's degree	None	None
29-1123	Physical Therapists	640	662	22	3.44	12	15	11	38	\$87,996	Doctoral or prof. deg	None	None
29-1124	Radiation Therapists	126	129	3	2.38	2	4	2	8	\$80,133	Associate's degree	None	None
29-1125	Recreational Therapists	143	148	5	3.50	3	4	2	9	\$65,649	Bachelor's degree	None	None
29-1126	Respiratory Therapists	372	389	17	4.57	10	10	8	28	\$74,255	Associate's degree	None	None
29-1127	Speech-Language Pathologists	301	322	21	6.98	6	10	10	26	\$97,165	Master's degree	None	Internship/residency
29-1131	Veterinarians	147	156	9	6.12	3	3	4	10	\$93,317	Doctoral or prof. deg	None	None
29-1141	Registered Nurses	11,891	12,266	375	3.15	335	310	188	833	\$91,700	Bachelor's degree	None	None
29-1151	Nurse Anesthetists	114	117	3	2.63	2	4	2	8	\$189,283	Master's degree	None	None
29-1171	Nurse Practitioners	875	930	55	6.29	18	30	28	76	\$114,239	Master's degree	None	None
29-1181	Audiologists	125	127	2	1.60	2	2	1	5	\$103,833	Doctoral or prof. deg	None	None
29-1199	Health Diagnosing and Treating Practitioners, All Other	648	652	4	0.62	18	12	2	32	\$127,419	Master's degree	None	None
29-2000	Health Technologists and Technicians	9,767	10,088	321	3.29	281	418	160	859	N/A			
29-2010	Clinical Laboratory Technologists and Technicians	991	1,034	43	4.34	28	36	22	86	\$60,366	Bachelor's degree	None	None
29-2021	Dental Hygienists	562	577	15	2.67	24	14	8	46	\$88,481	Associate's degree	None	None
29-2031	Cardiovascular Technologists and Technicians	158	162	4	2.53	4	5	2	11	\$85,633	Associate's degree	None	None
29-2032	Diagnostic Medical Sonographers	191	204	13	6.81	5	6	6	17	\$93,522	Associate's degree	None	None
29-2034	Radiologic Technologists	523	536	13	2.49	13	16	6	35	\$79,743	Associate's degree	None	None
29-2035	Magnetic Resonance Imaging Technologists	108	110	2	1.85	2	4	1	7	\$93,243	Associate's degree	Less than 5 years	None
29-2041	Emergency Medical Technicians and Paramedics	1,702	1,738	36	2.12	30	84	18	132	\$58,981	Postsecondary non-d	None	None
29-2051	Dietetic Technicians	89	93	4	4.49	2	4	2	8	\$28,832	Associate's degree	None	None

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Annual	Worker Characteristics				
		2019-2021, annual average		Change 2019-2021	Percent	Labor Force Exits	Occupational Transfers	Occupational Emp. Change	Total	Openings	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
		2019	2021											
29-2052	Pharmacy Technicians	984	1,025	41	4.17	29	52	20	101	\$41,485	HS or EQ	None	Moderate-term OJT	
29-2053	Psychiatric Technicians	553	567	14	2.53	16	29	7	52	\$54,902	Postsecondary non-d	Less than 5 years	Short-term OJT	
29-2054	Respiratory Therapy Technicians	112	100	-12	-10.71	3	6	-6	3	\$76,945	Associate's degree	None	None	
29-2055	Surgical Technologists	283	289	6	2.12	8	15	3	26	\$61,216	Postsecondary non-d	None	None	
29-2056	Veterinary Technologists and Technicians	202	216	14	6.93	6	11	7	24	\$37,113	Associate's degree	None	None	
29-2057	Ophthalmic Medical Technicians	67	71	4	5.97	2	4	2	8	\$48,364	Postsecondary non-d	None	None	
29-2061	Licensed Practical and Licensed Vocational Nurses	1,729	1,797	68	3.93	60	74	34	168	\$54,845	Postsecondary non-d	None	None	
29-2071	Medical Records and Health Information Technicians	546	563	17	3.11	16	19	8	43	\$51,422	Postsecondary non-d	None	None	
29-2081	Opticians, Dispensing	301	317	16	5.32	12	12	8	32	\$48,256	HS or EQ	None	Long-term OJT	
29-2099	Health Technologists and Technicians, All Other	589	611	22	3.74	16	24	11	51	\$50,082	Postsecondary non-d	None	None	
29-9000	Other Healthcare Practitioners and Technical Occupations	895	924	29	3.24	20	30	14	64	N/A				
29-9011	Occupational Health and Safety Specialists	545	563	18	3.30	12	18	9	39	\$91,738	Bachelor's degree	None	None	
29-9012	Occupational Health and Safety Technicians	88	92	4	4.55	2	3	2	7	\$50,794	HS or EQ	None	Moderate-term OJT	
29-9091	Athletic Trainers	72	75	3	4.17	2	2	2	6	\$58,751	Bachelor's degree	None	None	
29-9099	Healthcare Practitioners and Technical Workers, All Other	142	144	2	1.41	4	5	1	10	\$86,575	Postsecondary non-d	None	None	
31-0000	Healthcare Support Occupations	14,581	15,334	753	5.16	758	920	376	2,054	\$32,258				
31-1000	Nursing, Psychiatric, and Home Health Aides	10,623	11,206	583	5.49	586	636	292	1,514	N/A				
31-1011	Home Health Aides	6,258	6,678	420	6.71	348	377	210	935	\$30,666	HS or EQ	None	Short-term OJT	
31-1013	Psychiatric Aides	344	367	23	6.69	19	20	12	51	\$28,200	HS or EQ	None	Short-term OJT	
31-1014	Nursing Assistants	3,799	3,934	135	3.55	208	226	68	502	\$33,107	Postsecondary non-d	None	None	
31-1015	Orderlies	222	227	5	2.25	12	13	2	27	\$32,795	HS or EQ	None	Short-term OJT	
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	346	356	10	2.89	14	28	5	47	N/A				
31-2021	Physical Therapist Assistants	177	182	5	2.82	8	14	2	24	\$38,746	Associate's degree	None	None	
31-2022	Physical Therapist Aides	116	120	4	3.45	5	10	2	17	\$31,096	HS or EQ	None	Short-term OJT	
31-9000	Other Healthcare Support Occupations	3,612	3,772	160	4.43	157	256	80	493	N/A				
31-9011	Massage Therapists	69	72	3	4.35	4	4	2	10	\$34,850	Postsecondary non-d	None	None	
31-9091	Dental Assistants	595	612	17	2.86	28	40	8	76	\$49,474	Postsecondary non-d	None	None	
31-9092	Medical Assistants	2,077	2,193	116	5.58	84	152	58	294	\$44,029	Postsecondary non-d	None	None	
31-9093	Medical Equipment Preparers	232	238	6	2.59	12	15	3	30	\$42,636	HS or EQ	None	Moderate-term OJT	
31-9094	Medical Transcriptionists	81	79	-2	-2.47	5	6	-1	10	\$29,199	Postsecondary non-d	None	None	
31-9095	Pharmacy Aides	86	86	0	0.00	4	7	0	11	\$50,920	HS or EQ	None	Short-term OJT	
31-9097	Phlebotomists	265	281	16	6.04	10	18	8	36	\$43,963	Postsecondary non-d	None	None	
31-9099	Healthcare Support Workers, All Other	193	196	3	1.55	10	12	2	24	\$51,154	HS or EQ	None	None	
33-0000	Protective Service Occupations	30,706	31,263	557	1.81	1,268	1,952	278	3,498	\$61,329				
33-1000	Supervisors of Protective Service Workers	2,911	2,941	30	1.03	85	134	15	234	N/A				
33-1011	First-Line Supervisors of Correctional Officers	60	59	-1	-1.67	2	2	0	4	\$84,609	HS or EQ	Less than 5 years	None	
33-1012	First-Line Supervisors of Police and Detectives	1,429	1,430	1	0.07	34	54	0	88	\$113,732	HS or EQ	Less than 5 years	Moderate-term OJT	
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	302	304	2	0.66	8	12	1	21	\$112,550	Postsecondary non-d	Less than 5 years	Moderate-term OJT	
33-1099	First-Line Supervisors of Protective Service Workers, All Other	1,120	1,148	28	2.50	41	67	14	122	\$62,018	HS or EQ	Less than 5 years	None	
33-2000	Fire Fighting and Prevention Workers	588	592	4	0.68	12	30	2	44	N/A				
33-2011	Firefighters	520	523	3	0.58	10	26	2	38	\$81,015	Postsecondary non-d	None	Long-term OJT	
33-2021	Fire Inspectors and Investigators	68	69	1	1.47	3	4	0	7	\$86,547	Postsecondary non-d	5 years or more	Moderate-term OJT	
33-3000	Law Enforcement Workers	10,694	10,675	-19	-0.18	260	486	-10	736	N/A				
33-3012	Correctional Officers and Jailers	946	935	-11	-1.16	36	47	-6	77	\$60,896	HS or EQ	None	Moderate-term OJT	
33-3021	Detectives and Criminal Investigators	3,581	3,578	-3	-0.08	76	154	-2	228	\$138,325	HS or EQ	Less than 5 years	Moderate-term OJT	
33-3041	Parking Enforcement Workers	253	234	-19	-7.51	6	12	-10	8	\$55,303	HS or EQ	None	Short-term OJT	
33-3051	Police and Sheriff's Patrol Officers	5,914	5,928	14	0.24	142	273	7	422	\$77,735	HS or EQ	None	Moderate-term OJT	
33-9000	Other Protective Service Workers	16,513	17,055	542	3.28	910	1,303	271	2,484	N/A				
33-9021	Private Detectives and Investigators	196	212	16	8.16	7	11	8	26	\$73,198	HS or EQ	Less than 5 years	Moderate-term OJT	
33-9032	Security Guards	15,501	16,005	504	3.25	804	1,224	252	2,280	\$43,297	HS or EQ	None	Short-term OJT	
33-9091	Crossing Guards	320	329	9	2.81	38	15	4	57	\$37,422	No formal educ. cred	None	Short-term OJT	

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Worker Characteristics				
		2019-2021, annual average		Change 2019-2021	Percent	Labor Force Exits	Occupational Transfers	Occupational Emp. Change	Total Openings	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
		2019	2021										
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	231	238	7	3.03	31	26	4	61	\$39,864	No formal educ. cred	None	Short-term OJT
33-9099	Protective Service Workers, All Other	222	225	3	1.35	30	24	2	56	\$52,872	HS or EQ	None	Short-term OJT
35-0000	Food Preparation and Serving Related Occupations	57,704	61,076	3,372	5.84	4,052	6,067	1,686	11,805	\$32,055			
35-1000	Supervisors of Food Preparation and Serving Workers	5,339	5,664	325	6.09	225	591	162	978	N/A			
35-1011	Chefs and Head Cooks	1,077	1,146	69	6.41	34	112	34	180	\$67,042	HS or EQ	5 years or more	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	4,262	4,518	256	6.01	192	479	128	799	\$40,810	HS or EQ	Less than 5 years	None
35-2000	Cooks and Food Preparation Workers	13,577	14,404	827	6.09	788	1,262	414	2,464	N/A			
35-2011	Cooks, Fast Food	2,263	2,314	51	2.25	122	202	26	350	\$28,192	No formal educ. cred	None	Short-term OJT
35-2012	Cooks, Institution and Cafeteria	1,863	1,963	100	5.37	102	169	50	321	\$37,636	No formal educ. cred	None	Short-term OJT
35-2013	Cooks, Private Household	72	72	0	0.00	4	6	0	10	N/A	Postsecondary non-d	Less than 5 years	None
35-2014	Cooks, Restaurant	6,551	7,085	534	8.15	362	602	267	1,231	\$34,560	No formal educ. cred	Less than 5 years	Moderate-term OJT
35-2015	Cooks, Short Order	607	626	19	3.13	32	54	10	96	\$28,201	No formal educ. cred	None	Short-term OJT
35-2021	Food Preparation Workers	2,201	2,322	121	5.50	166	226	60	452	\$30,884	No formal educ. cred	None	Short-term OJT
35-3000	Food and Beverage Serving Workers	27,063	28,635	1,572	5.81	2,010	3,096	786	5,892	N/A			
35-3011	Bartenders	4,676	4,936	260	5.56	224	620	130	974	\$39,938	No formal educ. cred	None	Short-term OJT
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	9,520	10,197	677	7.11	786	970	338	2,094	\$30,537	No formal educ. cred	None	Short-term OJT
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,738	1,808	70	4.03	200	185	35	420	\$30,702	No formal educ. cred	None	Short-term OJT
35-3031	Waiters and Waitresses	9,223	9,709	486	5.27	657	1,160	243	2,060	\$32,047	No formal educ. cred	None	Short-term OJT
35-3041	Food Servers, Nonrestaurant	1,906	1,985	79	4.14	143	160	40	343	\$31,348	No formal educ. cred	None	Short-term OJT
35-9000	Other Food Preparation and Serving Related Workers	11,725	12,373	648	5.53	1,029	1,118	324	2,471	N/A			
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	5,083	5,394	311	6.12	432	464	156	1,052	\$32,083	No formal educ. cred	None	Short-term OJT
35-9021	Dishwashers	4,210	4,404	194	4.61	320	363	97	780	\$30,420	No formal educ. cred	None	Short-term OJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,354	2,491	137	5.82	270	284	68	622	\$30,400	No formal educ. cred	None	Short-term OJT
35-9099	Food Preparation and Serving Related Workers, All Other	78	84	6	7.69	6	7	3	16	\$40,675	No formal educ. cred	None	Short-term OJT
37-0000	Building and Grounds Cleaning and Maintenance Occupations	27,284	28,348	1,064	3.90	1,709	1,934	532	4,175	\$33,566			
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	2,092	2,176	84	4.02	89	152	42	283	N/A			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	2,019	2,102	83	4.11	86	147	42	275	\$41,772	HS or EQ	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	73	74	1	1.37	2	6	0	8	\$59,159	HS or EQ	Less than 5 years	None
37-2000	Building Cleaning and Pest Control Workers	24,046	24,987	941	3.91	1,572	1,679	470	3,721	N/A			
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	16,339	17,049	710	4.35	1,021	1,178	355	2,554	\$31,559	No formal educ. cred	None	Short-term OJT
37-2012	Maids and Housekeeping Cleaners	7,641	7,870	229	3.00	549	496	114	1,159	\$43,800	No formal educ. cred	None	Short-term OJT
37-3000	Grounds Maintenance Workers	1,146	1,185	39	3.40	48	103	20	171	N/A			
37-3011	Landscaping and Groundskeeping Workers	1,007	1,042	35	3.48	42	90	18	150	\$34,725	No formal educ. cred	None	Short-term OJT
37-3013	Tree Trimmers and Pruners	66	67	1	1.52	2	6	0	8	\$64,954	HS or EQ	None	Short-term OJT
37-3019	Grounds Maintenance Workers, All Other	52	54	2	3.85	2	4	1	7	\$52,077	No formal educ. cred	None	Short-term OJT
39-0000	Personal Care and Service Occupations	20,484	21,448	964	4.71	1,489	1,696	482	3,667	\$32,317			
39-1000	Supervisors of Personal Care and Service Workers	561	586	25	4.46	23	34	12	69	N/A			
39-1021	First-Line Supervisors of Personal Service Workers	528	552	24	4.55	22	30	12	64	\$45,207	HS or EQ	Less than 5 years	None
39-2000	Animal Care and Service Workers	674	707	33	4.90	48	64	16	128	N/A			
39-2021	Nonfarm Animal Caretakers	674	707	33	4.90	48	64	16	128	\$37,650	HS or EQ	None	Short-term OJT
39-3000	Entertainment Attendants and Related Workers	1,655	1,728	73	4.41	205	194	36	435	N/A			
39-3011	Gaming Dealers	87	91	4	4.60	6	8	2	16	\$28,172	HS or EQ	None	Short-term OJT
39-3031	Ushers, Lobby Attendants, and Ticket Takers	1,187	1,234	47	3.96	158	136	24	318	\$30,015	No formal educ. cred	None	Short-term OJT
39-3091	Amusement and Recreation Attendants	242	257	15	6.20	26	31	8	65	\$28,247	No formal educ. cred	None	Short-term OJT
39-3092	Costume Attendants	65	67	2	3.08	7	8	1	16	\$41,952	HS or EQ	None	Short-term OJT
39-3093	Locker Room, Coathouse, and Dressing Room Attendants	58	61	3	5.17	6	8	2	16	\$34,068	HS or EQ	None	Short-term OJT
39-4000	Funeral Service Workers	56	56	0	0.00	3	4	0	7	N/A			
39-5000	Personal Appearance Workers	1,794	1,842	48	2.68	108	114	24	246	N/A			
39-5011	Barbers	145	147	2	1.38	8	9	1	18	\$40,669	Postsecondary non-d	None	None
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,340	1,375	35	2.61	82	86	18	186	\$41,951	Postsecondary non-d	None	None
39-5091	Makeup Artists, Theatrical and Performance	67	71	4	5.97	4	4	2	10	\$91,375	Postsecondary non-d	None	None

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Annual	Worker Characteristics				
		2019-2021, annual average		Change 2019-2021	Percent	Labor Force Exits	Occupational Transfers	Occupational Emp. Change	Total	Openings	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
		2019	2021											
39-5092	Manicurists and Pedicurists	63	65	2	3.17	4	4	1	9	\$29,640	Postsecondary non-c	None	None	
39-5093	Shampoers	120	123	3	2.50	6	7	2	15	\$30,065	No formal educ. cred	None	Short-term OJT	
39-5094	Skincare Specialists	59	61	2	3.39	4	4	1	9	\$28,202	Postsecondary non-c	None	None	
39-6000	Baggage Porters, Bellhops, and Concierges	1,623	1,729	106	6.53	87	152	53	292	N/A				
39-6011	Baggage Porters and Bellhops	654	702	48	7.34	35	62	24	121	\$29,580	HS or EQ	None	Short-term OJT	
39-6012	Concierges	969	1,027	58	5.99	52	90	29	171	\$33,701	HS or EQ	None	Moderate-term OJT	
39-7000	Tour and Travel Guides	438	464	26	5.94	34	44	13	91	N/A				
39-7010	Tour and Travel Guides	438	464	26	5.94	34	44	13	91	\$30,246	HS or EQ	None	Moderate-term OJT	
39-9000	Other Personal Care and Service Workers	13,683	14,336	653	4.77	981	1,090	326	2,397	N/A				
39-9011	Childcare Workers	4,633	4,755	122	2.63	347	353	61	761	\$32,760	HS or EQ	None	Short-term OJT	
39-9021	Personal Care Aides	5,602	5,960	358	6.39	427	378	179	984	\$31,332	HS or EQ	None	Short-term OJT	
39-9031	Fitness Trainers and Aerobics Instructors	1,447	1,538	91	6.29	89	159	46	294	\$51,269	HS or EQ	None	Short-term OJT	
39-9032	Recreation Workers	653	671	18	2.76	40	70	9	119	\$49,817	HS or EQ	None	Short-term OJT	
39-9041	Residential Advisors	1,002	1,061	59	5.89	56	100	30	186	\$33,829	HS or EQ	None	Short-term OJT	
39-9099	Personal Care and Service Workers, All Other	346	351	5	1.45	22	29	2	53	\$28,248	HS or EQ	None	Short-term OJT	
41-0000	Sales and Related Occupations	32,233	33,395	1,162	3.61	1,872	2,873	581	5,326	\$37,899				
41-1000	Supervisors of Sales Workers	3,139	3,232	93	2.96	108	232	46	386	N/A				
41-1011	First-Line Supervisors of Retail Sales Workers	2,433	2,509	76	3.12	86	186	38	310	\$49,050	HS or EQ	Less than 5 years	None	
41-1012	First-Line Supervisors of Non-Retail Sales Workers	706	723	17	2.41	23	45	8	76	\$73,510	HS or EQ	Less than 5 years	None	
41-2000	Retail Sales Workers	18,602	19,190	588	3.16	1,398	1,772	294	3,464	N/A				
41-2011	Cashiers	9,896	10,165	269	2.72	895	997	134	2,026	\$28,250	No formal educ. cred	None	Short-term OJT	
41-2021	Counter and Rental Clerks	863	925	62	7.18	46	70	31	147	\$28,087	No formal educ. cred	None	Short-term OJT	
41-2022	Parts Salespersons	73	75	2	2.74	3	6	1	10	\$28,272	No formal educ. cred	None	Moderate-term OJT	
41-2031	Retail Salespersons	7,770	8,025	255	3.28	454	700	128	1,282	\$31,880	No formal educ. cred	None	Short-term OJT	
41-3000	Sales Representatives, Services	6,428	6,695	267	4.15	206	592	134	932	N/A				
41-3011	Advertising Sales Agents	892	907	15	1.68	28	94	8	130	\$61,971	HS or EQ	None	Moderate-term OJT	
41-3021	Insurance Sales Agents	368	396	28	7.61	14	23	14	51	\$54,748	HS or EQ	None	Moderate-term OJT	
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,001	1,039	38	3.80	26	70	19	115	\$65,670	Bachelor's degree	None	Moderate-term OJT	
41-3041	Travel Agents	359	379	20	5.57	22	28	10	60	\$57,790	HS or EQ	None	Moderate-term OJT	
41-3099	Sales Representatives, Services, All Other	3,808	3,974	166	4.36	115	378	83	576	\$70,363	HS or EQ	None	Moderate-term OJT	
41-4000	Sales Representatives, Wholesale and Manufacturing	1,324	1,396	72	5.44	42	101	36	179	N/A				
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	418	443	25	5.98	13	32	12	57	\$83,541	Bachelor's degree	None	Moderate-term OJT	
41-4012	Sales Representatives, Wholesale & Manuf., Excluding Technical & Scientific Products	906	953	47	5.19	28	69	24	121	\$73,375	HS or EQ	None	Moderate-term OJT	
41-9000	Other Sales and Related Workers	2,740	2,882	142	5.18	118	176	71	365	N/A				
41-9021	Real Estate Brokers	224	238	14	6.25	10	12	7	29	\$53,967	HS or EQ	Less than 5 years	None	
41-9022	Real Estate Sales Agents	1,597	1,672	75	4.70	74	82	38	194	\$49,091	HS or EQ	None	Moderate-term OJT	
41-9031	Sales Engineers	545	587	42	7.71	14	49	21	84	\$125,107	Bachelor's degree	None	Moderate-term OJT	
41-9041	Telemarketers	113	115	2	1.77	6	12	1	19	\$28,084	No formal educ. cred	None	Short-term OJT	
41-9099	Sales and Related Workers, All Other	192	198	6	3.12	8	17	3	28	\$59,899	HS or EQ	None	None	
43-0000	Office and Administrative Support Occupations	82,179	83,857	1,678	2.04	4,132	5,574	839	10,545	\$51,692				
43-1000	Supervisors of Office and Administrative Support Workers	5,178	5,344	166	3.21	198	354	83	635	N/A				
43-1011	First-Line Supervisors of Office and Administrative Support Workers	5,178	5,344	166	3.21	198	354	83	635	\$77,178	HS or EQ	Less than 5 years	None	
43-2000	Communications Equipment Operators	372	368	-4	-1.08	21	26	-2	45	N/A				
43-2011	Switchboard Operators, Including Answering Service	311	309	-2	-0.64	18	20	-1	37	\$43,719	HS or EQ	None	Short-term OJT	
43-2021	Telephone Operators	58	56	-2	-3.45	3	5	-1	7	\$45,117	HS or EQ	None	Short-term OJT	
43-3000	Financial Clerks	6,497	6,685	188	2.89	358	397	94	849	N/A				
43-3011	Bill and Account Collectors	320	330	10	3.12	12	26	5	43	\$62,986	HS or EQ	None	Moderate-term OJT	
43-3021	Billing and Posting Clerks	977	1,023	46	4.71	41	68	23	132	\$66,619	HS or EQ	None	Moderate-term OJT	
43-3031	Bookkeeping, Accounting, and Auditing Clerks	4,387	4,501	114	2.60	270	248	57	575	\$56,574	Some college, no de	None	Moderate-term OJT	
43-3041	Gaming Cage Workers	74	78	4	5.41	4	6	2	12	\$27,799	HS or EQ	None	Short-term OJT	
43-3051	Payroll and Timekeeping Clerks	388	398	10	2.58	18	24	5	47	\$64,949	HS or EQ	None	Moderate-term OJT	

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Annual	Worker Characteristics			
		2019		2021		Labor Force Exits	Occupational Transfers	Occupational Emp. Change	Total Openings	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
		2019	2021	Numeric	Percent								
43-3061	Procurement Clerks	305	307	2	0.66	10	22	1	33	\$56,793	HS or EQ	None	Moderate-term OJT
43-4000	Information and Record Clerks	19,329	19,826	497	2.57	986	1,561	248	2,795	N/A			
43-4011	Brokerage Clerks	156	162	6	3.85	8	9	3	20	\$54,210	HS or EQ	None	Moderate-term OJT
43-4051	Customer Service Representatives	7,263	7,466	203	2.79	354	628	102	1,084	\$44,699	HS or EQ	None	Short-term OJT
43-4061	Eligibility Interviewers, Government Programs	589	596	7	1.19	23	34	4	61	\$61,442	HS or EQ	None	Moderate-term OJT
43-4071	File Clerks	537	541	4	0.74	31	36	2	69	\$45,323	HS or EQ	None	Short-term OJT
43-4081	Hotel, Motel, and Resort Desk Clerks	1,473	1,544	71	4.82	82	173	36	291	\$35,219	HS or EQ	None	Short-term OJT
43-4111	Interviewers, Except Eligibility and Loan	427	436	9	2.11	22	31	4	57	\$46,311	HS or EQ	None	Short-term OJT
43-4121	Library Assistants, Clerical	105	108	3	2.86	8	8	2	18	\$48,913	HS or EQ	None	Short-term OJT
43-4151	Order Clerks	71	71	0	0.00	3	5	0	8	\$36,134	Some college, no de	None	Short-term OJT
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	820	829	9	1.10	30	64	4	98	\$54,730	Associate's degree	None	None
43-4171	Receptionists and Information Clerks	4,137	4,296	159	3.84	246	321	80	647	\$37,384	HS or EQ	None	Short-term OJT
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	325	344	19	5.85	14	24	10	48	\$48,264	HS or EQ	None	Short-term OJT
43-4199	Information and Record Clerks, All Other	3,332	3,334	2	0.06	162	224	1	387	\$59,428	HS or EQ	None	Short-term OJT
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	7,402	7,514	112	1.51	310	485	56	851	N/A			
43-5021	Couriers and Messengers	497	517	20	4.02	20	28	10	58	\$32,246	HS or EQ	None	Short-term OJT
43-5031	Police, Fire, and Ambulance Dispatchers	63	63	0	0.00	2	4	0	6	\$51,264	HS or EQ	None	Moderate-term OJT
43-5032	Dispatchers, Except Police, Fire, and Ambulance	1,152	1,183	31	2.69	41	70	16	127	\$50,057	HS or EQ	None	Moderate-term OJT
43-5051	Postal Service Clerks	132	124	-8	-6.06	6	4	-4	6	\$61,144	HS or EQ	None	Short-term OJT
43-5052	Postal Service Mail Carriers	844	794	-50	-5.92	30	31	-25	36	\$62,485	HS or EQ	None	Short-term OJT
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	517	482	-35	-6.77	23	18	-18	23	\$59,790	HS or EQ	None	Short-term OJT
43-5061	Production, Planning, and Expediting Clerks	930	978	48	5.16	32	68	24	124	\$59,341	HS or EQ	None	Moderate-term OJT
43-5071	Shipping, Receiving, and Traffic Clerks	642	652	10	1.56	22	42	5	69	\$52,802	HS or EQ	None	Short-term OJT
43-5081	Stock Clerks and Order Fillers	2,579	2,673	94	3.64	133	216	47	396	\$31,640	HS or EQ	None	Short-term OJT
43-6000	Secretaries and Administrative Assistants	26,277	26,563	286	1.09	1,354	1,603	143	3,100	N/A			
43-6011	Executive Secretaries and Executive Administrative Assistants	5,874	5,852	-22	-0.37	300	356	-11	645	\$72,740	HS or EQ	Less than 5 years	None
43-6012	Legal Secretaries	3,691	3,683	-8	-0.22	189	224	-4	409	\$94,035	HS or EQ	None	Moderate-term OJT
43-6013	Medical Secretaries	1,358	1,415	57	4.20	71	84	28	183	\$46,913	HS or EQ	None	Moderate-term OJT
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	15,354	15,613	259	1.69	794	940	130	1,864	\$50,375	HS or EQ	None	Short-term OJT
43-9000	Other Office and Administrative Support Workers	17,124	17,557	433	2.53	906	1,148	216	2,270	N/A			
43-9011	Computer Operators	104	100	-4	-3.85	5	8	-2	11	\$62,427	HS or EQ	None	Moderate-term OJT
43-9021	Data Entry Keyers	397	390	-7	-1.76	18	28	-4	42	\$43,269	HS or EQ	None	Short-term OJT
43-9022	Word Processors and Typists	302	282	-20	-6.62	18	18	-10	26	\$51,976	HS or EQ	None	Short-term OJT
43-9031	Desktop Publishers	223	214	-9	-4.04	9	16	-4	21	\$85,470	Associate's degree	None	Short-term OJT
43-9041	Insurance Claims and Policy Processing Clerks	296	310	14	4.73	11	19	7	37	\$57,962	HS or EQ	None	Moderate-term OJT
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	966	986	20	2.07	47	61	10	118	\$48,993	HS or EQ	None	Short-term OJT
43-9061	Office Clerks, General	11,129	11,498	369	3.32	632	722	184	1,538	\$44,089	HS or EQ	None	Short-term OJT
43-9071	Office Machine Operators, Except Computer	354	357	3	0.85	22	24	2	48	\$47,995	HS or EQ	None	Short-term OJT
43-9081	Proofreaders and Copy Markers	91	94	3	3.30	6	6	2	14	\$51,206	Bachelor's degree	None	None
43-9111	Statistical Assistants	395	422	27	6.84	17	34	14	65	\$55,593	Bachelor's degree	None	None
43-9199	Office and Administrative Support Workers, All Other	2,867	2,904	37	1.29	122	214	18	354	\$44,018	HS or EQ	None	Short-term OJT
45-0000	Farming, Fishing, and Forestry Occupations	628	646	18	2.87	24	77	9	110	\$45,134			
45-1000	Supervisors of Farming, Fishing, and Forestry Workers	132	139	7	5.30	5	15	4	24	N/A			
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	132	139	7	5.30	5	15	4	24	\$47,102	HS or EQ	Less than 5 years	None
45-2000	Agricultural Workers	351	360	9	2.56	14	44	4	62	N/A			
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	63	65	2	3.17	2	8	1	11	\$40,624	No formal educ. cred	None	Short-term OJT
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	107	105	-2	-1.87	4	13	-1	16	\$60,233	No formal educ. cred	None	Short-term OJT
45-2099	Agricultural Workers, All Other	179	188	9	5.03	8	22	4	34	N/A	No formal educ. cred	None	Short-term OJT
45-4000	Forest, Conservation, and Logging Workers	145	147	2	1.38	6	18	1	25	N/A			
45-4011	Forest and Conservation Workers	56	58	2	3.57	2	8	1	11	\$33,485	HS or EQ	None	Moderate-term OJT
45-4022	Logging Equipment Operators	76	76	0	0.00	3	9	0	12	N/A	HS or EQ	None	Moderate-term OJT

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Annual		Worker Characteristics		
		2019	2021	Numeric	Percent	Labor Force Exits	Occupational Transfers	Occupational Emp. Change	Openings 2019-2021	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
47-0000	Construction and Extraction Occupations	14,440	15,368	928	6.43	483	1,177	464	2,124	\$55,258			
47-1000	Supervisors of Construction and Extraction Workers	1,051	1,125	74	7.04	32	80	37	149	N/A			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,051	1,125	74	7.04	32	80	37	149	\$80,382	HS or EQ	5 years or more	None
47-2000	Construction Trades Workers	11,722	12,469	747	6.37	385	939	374	1,698	N/A			
47-2021	Brickmasons and Blockmasons	238	252	14	5.88	7	18	7	32	\$65,592	HS or EQ	None	Apprenticeship
47-2031	Carpenters	2,129	2,259	130	6.11	68	158	65	291	\$54,819	HS or EQ	None	Apprenticeship
47-2051	Cement Masons and Concrete Finishers	479	514	35	7.31	14	38	18	70	\$50,885	No formal educ. cred	None	Moderate-term OJT
47-2061	Construction Laborers	4,199	4,472	273	6.50	145	337	136	618	\$40,484	No formal educ. cred	None	Short-term OJT
47-2071	Paving, Surfacing, and Tamping Equipment Operators	119	126	7	5.88	6	10	4	20	\$51,309	HS or EQ	None	Moderate-term OJT
47-2073	Operating Engineers and Other Construction Equipment Operators	456	479	23	5.04	16	38	12	66	\$62,477	HS or EQ	None	Moderate-term OJT
47-2081	Drywall and Ceiling Tile Installers	87	92	5	5.75	2	6	2	10	\$49,900	No formal educ. cred	None	Moderate-term OJT
47-2111	Electricians	1,285	1,366	81	6.30	40	113	40	193	\$80,822	HS or EQ	None	Apprenticeship
47-2121	Glaziers	389	416	27	6.94	13	33	14	60	\$50,759	HS or EQ	None	Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	84	90	6	7.14	2	8	3	13	\$70,478	No formal educ. cred	None	Short-term OJT
47-2141	Painters, Construction and Maintenance	561	587	26	4.63	20	38	13	71	\$57,647	No formal educ. cred	None	Moderate-term OJT
47-2152	Plumbers, Pipefitters, and Steamfitters	1,050	1,124	74	7.05	32	89	37	158	\$71,975	HS or EQ	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	73	77	4	5.48	2	5	2	9	\$54,671	No formal educ. cred	None	Long-term OJT
47-2171	Reinforcing Iron and Rebar Workers	103	112	9	8.74	2	10	4	16	\$47,743	HS or EQ	None	Apprenticeship
47-2181	Roofers	59	62	3	5.08	2	4	2	8	\$40,164	No formal educ. cred	None	Moderate-term OJT
47-2221	Structural Iron and Steel Workers	130	140	10	7.69	4	12	5	21	\$59,687	HS or EQ	None	Apprenticeship
47-3000	Helpers, Construction Trades	1,017	1,105	88	8.65	34	108	44	186	N/A			
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	55	61	6	10.91	2	6	3	11	\$37,714	No formal educ. cred	None	Short-term OJT
47-3012	Helpers--Carpenters	119	129	10	8.40	4	12	5	21	\$39,890	No formal educ. cred	None	Short-term OJT
47-3013	Helpers--Electricians	139	149	10	7.19	4	14	5	23	\$40,887	HS or EQ	None	Short-term OJT
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	601	655	54	8.99	20	64	27	111	\$37,394	HS or EQ	None	Short-term OJT
47-3019	Helpers, Construction Trades, All Other	91	98	7	7.69	3	10	4	17	\$36,727	No formal educ. cred	None	Short-term OJT
47-4000	Other Construction and Related Workers	640	659	19	2.97	30	49	10	89	N/A			
47-4011	Construction and Building Inspectors	339	349	10	2.95	19	24	5	48	\$82,893	HS or EQ	5 years or more	Moderate-term OJT
47-4041	Hazardous Materials Removal Workers	125	126	1	0.80	6	10	0	16	\$38,961	HS or EQ	None	Moderate-term OJT
47-4090	Miscellaneous Construction and Related Workers	61	64	3	4.92	2	6	2	10	\$59,881	HS or EQ	None	Moderate-term OJT
47-5000	Extraction Workers	10	10	0	0.00	0	0	0	0	N/A			
49-0000	Installation, Maintenance, and Repair Occupations	10,078	10,572	494	4.90	342	680	247	1,269	\$61,093			
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	645	674	29	4.50	20	40	14	74	N/A			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	645	674	29	4.50	20	40	14	74	\$80,886	HS or EQ	Less than 5 years	None
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	985	1,012	27	2.74	24	77	14	115	N/A			
49-2011	Computer, Automated Teller, and Office Machine Repairers	114	118	4	3.51	3	9	2	14	\$38,078	Some college, no de	None	Short-term OJT
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	467	483	16	3.43	13	39	8	60	\$91,953	Postsecondary non-d	None	Moderate-term OJT
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	193	196	3	1.55	4	14	2	20	\$83,550	Postsecondary non-d	None	Long-term OJT
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	140	143	3	2.14	2	10	2	14	\$94,273	Postsecondary non-d	Less than 5 years	Moderate-term OJT
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	986	1,027	41	4.16	29	70	20	119	N/A			
49-3021	Automotive Body and Related Repairers	78	81	3	3.85	2	5	2	9	\$41,232	HS or EQ	None	Long-term OJT
49-3023	Automotive Service Technicians and Mechanics	471	482	11	2.34	13	34	6	53	\$63,432	Postsecondary non-d	None	Short-term OJT
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	180	193	13	7.22	5	12	6	23	\$67,896	HS or EQ	None	Long-term OJT
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	72	76	4	5.56	2	5	2	9	\$60,530	HS or EQ	None	Long-term OJT
49-3091	Bicycle Repairers	158	167	9	5.70	5	13	4	22	\$32,257	HS or EQ	None	Moderate-term OJT
49-9000	Other Installation, Maintenance, and Repair Occupations	7,462	7,859	397	5.32	268	494	198	960	N/A			
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	381	394	13	3.41	10	28	6	44	\$71,085	Postsecondary non-d	None	Long-term OJT
49-9041	Industrial Machinery Mechanics	149	151	2	1.34	4	9	1	14	\$70,449	HS or EQ	None	Long-term OJT
49-9043	Maintenance Workers, Machinery	61	64	3	4.92	2	4	2	8	\$71,050	HS or EQ	None	Long-term OJT
49-9051	Electrical Power-Line Installers and Repairers	115	118	3	2.61	3	7	2	12	\$70,867	HS or EQ	None	Long-term OJT
49-9052	Telecommunications Line Installers and Repairers	416	425	9	2.16	10	37	4	51	\$79,587	HS or EQ	None	Long-term OJT

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Worker Characteristics				
		Employment		Change 2019-2021 Numeric	Percent	Labor Force Exits	Occupational Transfers	Occupational Emp. Change	Annual Total Openings	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
		2019	2021										
49-9062	Medical Equipment Repairers	51	54	3	5.88	2	3	2	7	\$54,045	Associate's degree	None	Moderate-term OJT
49-9071	Maintenance and Repair Workers, General	5,453	5,782	329	6.03	197	348	164	709	\$52,676	HS or EQ	None	Moderate-term OJT
49-9098	Helpers--Installation, Maintenance, and Repair Workers	314	330	16	5.10	17	24	8	49	\$55,023	HS or EQ	None	Short-term OJT
49-9099	Installation, Maintenance, and Repair Workers, All Other	313	327	14	4.47	12	22	7	41	\$55,285	HS or EQ	None	Moderate-term OJT
51-0000	Production Occupations	5,065	5,174	109	2.15	240	366	54	660	\$53,019			
51-1000	Supervisors of Production Workers	201	206	5	2.49	6	14	2	22	N/A			
51-1011	First-Line Supervisors of Production and Operating Workers	201	206	5	2.49	6	14	2	22	\$85,078	HS or EQ	Less than 5 years	None
51-2000	Assemblers and Fabricators	98	99	1	1.02	4	8	0	12	N/A			
51-2098	Assemblers and Fabricators, All Other, Including Team Assemblers	65	66	1	1.54	2	5	0	7	\$28,781	HS or EQ	None	Moderate-term OJT
51-3000	Food Processing Workers	500	527	27	5.40	28	40	14	82	N/A			
51-3011	Bakers	378	404	26	6.88	22	31	13	66	\$31,806	No formal educ. cred	None	Long-term OJT
51-3099	Food Processing Workers, All Other	55	55	0	0.00	2	4	0	6	\$27,665	No formal educ. cred	None	Moderate-term OJT
51-4000	Metal Workers and Plastic Workers	110	110	0	0.00	3	8	0	11	N/A			
51-5100	Printing Workers	1,292	1,292	0	0.00	58	96	0	154	N/A			
51-5111	Prepress Technicians and Workers	310	307	-3	-0.97	12	26	-2	36	\$83,032	Postsecondary non-d	None	None
51-5112	Printing Press Operators	670	675	5	0.75	26	47	2	75	\$80,786	HS or EQ	None	Moderate-term OJT
51-5113	Print Binding and Finishing Workers	312	310	-2	-0.64	20	22	-1	41	\$82,187	HS or EQ	None	Moderate-term OJT
51-6000	Textile, Apparel, and Furnishings Workers	1,240	1,267	27	2.18	86	76	14	176	N/A			
51-6011	Laundry and Dry-Cleaning Workers	530	551	21	3.96	34	38	10	82	\$39,465	No formal educ. cred	None	Short-term OJT
51-6021	Pressers, Textile, Garment, and Related Materials	106	103	-3	-2.83	6	6	-2	10	\$27,661	No formal educ. cred	None	Short-term OJT
51-6031	Sewing Machine Operators	86	90	4	4.65	5	4	2	11	\$36,716	No formal educ. cred	None	Short-term OJT
51-6052	Tailors, Dressmakers, and Custom Sewers	465	468	3	0.65	38	24	2	64	\$47,191	No formal educ. cred	None	Moderate-term OJT
51-7000	Woodworkers	60	61	1	1.67	2	4	0	6	N/A			
51-8000	Plant and System Operators	1,115	1,155	40	3.59	35	84	20	139	N/A			
51-8021	Stationary Engineers and Boiler Operators	806	846	40	4.96	27	60	20	107	\$81,995	HS or EQ	None	Long-term OJT
51-8031	Water and Wastewater Treatment Plant and System Operators	133	133	0	0.00	4	8	0	12	\$74,521	HS or EQ	None	Long-term OJT
51-8099	Plant and System Operators, All Other	167	167	0	0.00	4	14	0	18	\$69,980	HS or EQ	None	Moderate-term OJT
51-9000	Other Production Occupations	449	457	8	1.78	18	36	4	58	N/A			
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	79	77	-2	-2.53	3	6	-1	8	\$58,828	HS or EQ	None	Moderate-term OJT
51-9199	Production Workers, All Other	140	146	6	4.29	6	11	3	20	\$52,879	HS or EQ	None	Moderate-term OJT
53-0000	Transportation and Material Moving Occupations	17,439	17,924	485	2.78	954	1,299	242	2,495	\$41,770			
53-1000	Supervisors of Transportation and Material Moving Workers	708	730	22	3.11	22	54	11	87	N/A			
53-1048	1st-Line Superv. of Transp. & Material Moving Workers, Exc. Aircraft Cargo Handlin	705	727	22	3.12	22	54	11	87	\$63,143	HS or EQ	Less than 5 years	None
53-2000	Air Transportation Workers	944	947	3	0.32	22	66	2	90	N/A			
53-2021	Air Traffic Controllers	903	905	2	0.22	22	63	1	86	\$25,078	Associate's degree	None	Long-term OJT
53-3000	Motor Vehicle Operators	7,913	8,245	332	4.20	508	482	166	1,156	N/A			
53-3021	Bus Drivers, Transit and Intercity	1,169	1,236	67	5.73	94	58	34	186	\$39,453	HS or EQ	None	Moderate-term OJT
53-3022	Bus Drivers, School or Special Client	2,215	2,313	98	4.42	176	110	49	335	\$46,490	HS or EQ	None	Short-term OJT
53-3031	Driver/Sales Workers	519	537	18	3.47	22	38	9	69	\$29,853	HS or EQ	None	Short-term OJT
53-3032	Heavy and Tractor-Trailer Truck Drivers	578	591	13	2.25	24	42	6	72	\$55,567	Postsecondary non-d	None	Short-term OJT
53-3033	Light Truck or Delivery Services Drivers	1,810	1,893	83	4.59	76	134	42	252	\$36,204	HS or EQ	None	Short-term OJT
53-3041	Taxi Drivers and Chauffeurs	998	1,049	51	5.11	55	56	26	137	\$37,425	No formal educ. cred	None	Short-term OJT
53-3099	Motor Vehicle Operators, All Other	621	623	2	0.32	63	42	1	106	\$56,942	No formal educ. cred	None	Short-term OJT
53-4000	Rail Transportation Workers	5	5	0	0.00	0	0	0	0	N/A			
53-5000	Water Transportation Workers	31	30	-1	-3.23	0	2	0	2	N/A			
53-6000	Other Transportation Workers	4,379	4,417	38	0.87	237	376	19	632	N/A			
53-6021	Parking Lot Attendants	2,592	2,605	13	0.50	134	264	6	404	\$28,369	No formal educ. cred	None	Short-term OJT
53-6031	Automotive and Watercraft Service Attendants	57	59	2	3.51	2	6	1	9	\$28,274	No formal educ. cred	None	Short-term OJT
53-6041	Traffic Technicians	130	131	1	0.77	4	9	0	13	\$58,991	HS or EQ	None	Moderate-term OJT
53-6051	Transportation Inspectors	228	228	0	0.00	7	16	0	23	\$110,992	HS or EQ	None	Moderate-term OJT
53-6061	Transportation Attendants, Except Flight Attendants	946	967	21	2.22	74	51	10	135	\$42,055	HS or EQ	None	Short-term OJT

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2019 - 2021*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2019-2021, annual average			Annual		Worker Characteristics		
		2019	2021	Change 2019-2021		Labor Force Exits	Occupational Transfers	Occupational Emp. Change	Openings 2019-2021	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
				Numeric	Percent								
53-6099	Transportation Workers, All Other	426	427	1	0.23	15	30	0	45	\$40,178	HS or EQ	None	Short-term OJT
53-7000	Material Moving Workers	3,459	3,550	91	2.63	162	320	46	528	N/A			
53-7032	Excavating and Loading Machine and Dragline Operators	56	60	4	7.14	2	5	2	9	\$55,825	HS or EQ	Less than 5 years	Moderate-term OJT
53-7051	Industrial Truck and Tractor Operators	122	127	5	4.10	4	10	2	16	\$55,427	No formal educ. cred	None	Short-term OJT
53-7061	Cleaners of Vehicles and Equipment	240	249	9	3.75	12	24	4	40	\$44,154	No formal educ. cred	None	Short-term OJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,304	2,374	70	3.04	106	219	35	360	\$44,974	No formal educ. cred	None	Short-term OJT
53-7081	Refuse and Recyclable Material Collectors	660	660	0	0.00	36	55	0	91	\$50,615	No formal educ. cred	None	Short-term OJT

Notes: *District of Columbia Short-Term Industry and Occupational Projections, 2019 - 2021

**Bureau of Labor Statistics, Occupational Employment Statistics (OES), May 2018 OES survey

N/A - not available

Source: Department of Employment Services, Office of Labor Market Research and Performance