DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2018 - 2020*

						Occupational Separations,			Annual		Worker Characteristics		
		Employment Projections				2018-2020, annual average		Net	Total			Work Experience	Typical on-the -job
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education	in a related	training needed to
Soccode	Occupational Title	2018	2020	Numeric	Percent	Exits	Transfers	Emp. Change	2019-2021	Annual Wage**	Needed for Entry	Occupation	attain competency
00-0000	Total, All Occupations	818,077	840,596	22,519	2.75	32,622	47,134	11,260	91,016	$70,340			
11-0000	Management Occupations	111,587	113,774	2,187	1.96	2,756	5,733	1,094	9,583	$137,130			
11-1000	Top Executives	34,672	35,500	828	2.39	748	2,046	414	3,208	N/A			
11-1011	Chief Executives	2,486	2,500	14	0.56	72	102	7	181	N/A	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	32,161	32,975	814	2.53	675	1,942	407	3,024	$138,170	Bachelor's degree	5 years or more	None
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	7,852	8,172	320	4.08	180	470	160	810	N/A			
11-2011	Advertising and Promotions Managers	172	178	6	3.49	4	13	3	20	$113,530	Bachelor's degree	Less than 5 years	None
11-2021	Marketing Managers	1,568	1,636	68	4.34	36	97	34	167	$151,300	Bachelor's degree	5 years or more	None
11-2022	Sales Managers	1,294	1,347	53	4.10	30	80	26	136	$119,980	Bachelor's degree	Less than 5 years	None
11-2031	Public Relations and Fundraising Managers	4,818	5,011	193	4.01	108	280	96	484	$154,280	Bachelor's degree	5 years or more	None
11-3000	Operations Specialties Managers	21,126	21,539	413	1.95	494	1,090	206	1,790	N/A			
11-3011	Administrative Services Managers	1,813	1,854	41	2.26	55	90	20	165	$109,160	Bachelor's degree	Less than 5 years	None
11-3021	Computer and Information Systems Managers	4,927	5,037	110	2.23	88	272	55	415	$158,140	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	9,236	9,442	206	2.23	214	462	103	779	$145,630	Bachelor's degree	5 years or more	None
11-3061	Purchasing Managers	2,261	2,259	-2	-0.09	66	111	-1	176	$134,420	Bachelor's degree	5 years or more	None
11-3071	Transportation, Storage, and Distribution Managers	522	526	4	0.77	12	27	2	41	$139,650	HS or EQ	5 years or more	None
11-3111	Compensation and Benefits Managers	152	157	5	3.29	4	8	2	14	$134,380	Bachelor's degree	5 years or more	None
11-3121	Human Resources Managers	1,863	1,898	35	1.88	46	101	18	165	$153,710	Bachelor's degree	5 years or more	None
11-3131	Training and Development Managers	327	342	15	4.59	9	20	8	37	$134,120	Bachelor's degree	5 years or more	None
11-9000	Other Management Occupations	47,937	48,563	626	1.31	1,334	2,126	313	3,773	N/A			
11-9021	Construction Managers	1,149	1,197	48	4.18	27	52	24	103	$104,730	Bachelor's degree	None	Moderate-term OJT
11-9031	Education Administrators, Preschool and Childcare Center/Program	408	424	16	3.92	12	19	8	39	N/A	Bachelor's degree	Less than 5 years	None
11-9032	Education Administrators, Elementary and Secondary School	1,299	1,399	100	7.70	38	62	50	150	$100,940	Master's degree	5 years or more	None
11-9033	Education Administrators, Postsecondary	1,483	1,499	16	1.08	42	68	8	118	$87,080	Master's degree	Less than 5 years	None
11-9039	Education Administrators, All Other	924	937	13	1.41	26	42	6	74	$104,280	Bachelor's degree	Less than 5 years	None
11-9041	Architectural and Engineering Managers	1,973	1,994	21	1.06	40	96	10	146	$145,630	Bachelor's degree	5 years or more	None
11-9051	Food Service Managers	1,394	1,459	65	4.66	45	105	32	182	$69,030	HS or EQ	Less than 5 years	None
11-9081	Lodging Managers	165	173	8	4.85	6	11	4	21	$80,010	HS or EQ	Less than 5 years	None
11-9111	Medical and Health Services Managers	1,834	1,884	50	2.73	50	90	25	165	$127,890	Bachelor's degree	Less than 5 years	None
11-9121	Natural Sciences Managers	1,414	1,422	8	0.57	32	80	4	116	$130,700	Bachelor's degree	5 years or more	None
11-9141	Property, Real Estate, and Community Association Managers	2,183	2,321	138	6.32	94	76	69	239	$70,940	HS or EQ	Less than 5 years	None
11-9151	Social and Community Service Managers	999	1,029	30	3.00	34	53	15	102	$97,540	Bachelor's degree	Less than 5 years	None
11-9161	Emergency Management Directors	242	242	0	0.00	10	8	0	18	$131,760	Bachelor's degree	5 years or more	None
11-9199	Managers, All Other	32,434	32,547	113	0.35	879	1,364	56	2,299	$135,970	Bachelor's degree	Less than 5 years	None
13-0000	Business and Financial Operations Occupations	127,376	129,924	2,548	2.00	3,886	7,408	1,274	12,568	$92,910			
13-1000	Business Operations Specialists	101,168	103,098	1,930	1.91	3,144	5,948	965	10,057	N/A			
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	212	215	3	1.42	8	16	2	26	$79,920	Bachelor's degree	Less than 5 years	None
13-1022	Wholesale and Retail Buyers, Except Farm Products	114	114	0	0.00	4	8	0	12	N/A	Bachelor's degree	None	Moderate-term OJT
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	3,078	3,023	-55	-1.79	90	168	-28	230	N/A	Bachelor's degree	None	Moderate-term OJT
13-1031	Claims Adjusters, Examiners, and Investigators	914	907	-7	-0.77	23	50	-4	69	$69,780	HS or EQ	None	Long-term OJT
13-1041	Compliance Officers	5,526	5,622	96	1.74	156	281	48	485	$87,740	Bachelor's degree	None	Moderate-term OJT
13-1051	Cost Estimators	508	528	20	3.94	16	34	10	60	$88,930	Bachelor's degree	None	Moderate-term OJT
13-1071	Human Resources Specialists	8,889	9,036	147	1.65	260	589	74	923	$93,010	Bachelor's degree	None	None
13-1075	Labor Relations Specialists	479	476	-3	-0.63	14	32	-2	44	$85,840	Bachelor's degree	Less than 5 years	None
13-1081	Logisticians	1,532	1,576	44	2.87	38	110	22	170	$105,610	Bachelor's degree	None	None
13-1111	Management Analysts	25,223	25,779	556	2.20	819	1,318	278	2,415	$99,740	Bachelor's degree	Less than 5 years	None
13-1121	Meeting, Convention, and Event Planners	2,902	3,005	103	3.55	112	221	52	385	$64,540	Bachelor's degree	None	None
13-1131	Fundraisers	2,573	2,679	106	4.12	82	172	53	307	$74,300	Bachelor's degree	None	None
13-1141	Compensation, Benefits, and Job Analysis Specialists	549	562	13	2.37	14	30	6	50	$82,400	Bachelor's degree	Less than 5 years	None
13-1151	Training and Development Specialists	1,766	1,843	77	4.36	56	116	38	210	$76,310	Bachelor's degree	Less than 5 years	None
13-1161	Market Research Analysts and Marketing Specialists	6,524	6,972	448	6.87	179	463	224	866	$67,190	Bachelor's degree	None	None

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						Occupational Separations,			Annual		Worker Characteristics		
		Employment Projections				2018-2020, annual average		Net	Total			Work Experience	Typical on-the -job
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education	in a related	training needed to
Soccode	Occupational Title	2018	2020	Numeric	Percent	Exits	Transfers	Emp. Change	2019-2021	Annual Wage**	Needed for Entry	Occupation	attain competency
13-1199	Business Operations Specialists, All Other	40,345	40,727	382	0.95	1,272	2,338	191	3,801	$94,800	Bachelor's degree	None	None
13-2000	Financial Specialists	26,208	26,826	618	2.36	742	1,460	309	2,511	N/A			
13-2011	Accountants and Auditors	12,746	13,048	302	2.37	380	742	151	1,273	$89,950	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	315	333	18	5.71	12	10	9	31	$97,320	Bachelor's degree	None	Long-term OJT
13-2031	Budget Analysts	2,544	2,568	24	0.94	69	118	12	199	$97,970	Bachelor's degree	None	None
13-2041	Credit Analysts	443	461	18	4.06	10	26	9	45	$99,410	Bachelor's degree	None	None
13-2051	Financial Analysts	3,777	3,960	183	4.85	77	243	92	412	$92,670	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	474	493	19	4.01	12	24	10	46	$118,600	Bachelor's degree	None	Long-term OJT
13-2061	Financial Examiners	770	775	5	0.65	22	36	2	60	$155,730	Bachelor's degree	None	Long-term OJT
13-2071	Credit Counselors	125	129	4	3.20	3	7	2	12	$62,690	Bachelor's degree	None	Moderate-term OJT
13-2072	Loan Officers	336	349	13	3.87	8	19	6	33	$100,970	Bachelor's degree	None	Moderate-term OJT
13-2081	Tax Examiners and Collectors, and Revenue Agents	372	369	-3	-0.81	11	14	-2	23	N/A	Bachelor's degree	None	Moderate-term OJT
13-2082	Tax Preparers	174	177	3	1.72	10	8	2	20	$75,390	HS or EQ	None	Moderate-term OJT
13-2099	Financial Specialists, All Other	4,095	4,127	32	0.78	126	212	16	354	$98,070	Bachelor's degree	None	Moderate-term OJT
15-0000	Computer and Mathematical Occupations	49,600	51,642	2,042	4.12	923	2,394	1,021	4,338	$106,240			
15-1100	Computer Occupations	46,478	48,379	1,901	4.09	858	2,246	950	4,054	N/A			
15-1111	Computer and Information Research Scientists	541	557	16	2.96	8	28	8	44	$130,700	Master's degree	None	None
15-1121	Computer Systems Analysts	4,632	4,863	231	4.99	87	212	116	415	$103,120	Bachelor's degree	None	None
15-1122	Information Security Analysts	1,361	1,486	125	9.18	26	69	62	157	$118,250	Bachelor's degree	Less than 5 years	None
15-1131	Computer Programmers	1,335	1,362	27	2.02	24	60	14	98	$103,010	Bachelor's degree	None	None
15-1132	Software Developers, Applications	2,599	2,825	226	8.70	37	133	113	283	$116,680	Bachelor's degree	None	None
15-1133	Software Developers, Systems Software	2,882	3,066	184	6.38	40	146	92	278	$112,590	Bachelor's degree	None	None
15-1134	Web Developers	1,432	1,499	67	4.68	28	74	34	136	$84,570	Associate's degree	None	None
15-1141	Database Administrators	1,034	1,081	47	4.55	22	44	24	90	$94,210	Bachelor's degree	None	None
15-1142	Network and Computer Systems Administrators	2,564	2,679	115	4.49	37	123	58	218	$95,030	Bachelor's degree	None	None
15-1143	Computer Network Architects	1,316	1,384	68	5.17	19	66	34	119	$108,820	Bachelor's degree	5 years or more	None
15-1151	Computer User Support Specialists	4,806	5,050	244	5.08	100	254	122	476	$64,840	Some college, no degree	None	None
15-1152	Computer Network Support Specialists	684	722	38	5.56	14	36	19	69	$88,030	Associate's degree	None	None
15-1199	Computer Occupations, All Other	21,292	21,805	513	2.41	416	1,000	256	1,672	$116,920	Bachelor's degree	None	None
15-2000	Mathematical Science Occupations	3,122	3,263	141	4.52	65	148	70	283	N/A			
15-2011	Actuaries	224	224	0	0.00	3	10	0	13	$123,230	Bachelor's degree	None	Long-term OJT
15-2021	Mathematicians	84	87	3	3.57	2	4	2	8	$123,450	Master's degree	None	None
15-2031	Operations Research Analysts	1,115	1,167	52	4.66	24	43	26	93	$112,020	Bachelor's degree	None	None
15-2041	Statisticians	1,618	1,705	87	5.38	35	86	44	165	$106,630	Master's degree	None	None
15-2099	Mathematical Science Occupations, All Other	79	78	-1	-1.27	2	4	0	6	N/A	Bachelor's degree	None	None
17-0000	Architecture and Engineering Occupations	14,333	14,706	373	2.60	350	627	186	1,163	$105,080			
17-1000	Architects, Surveyors, and Cartographers	2,207	2,302	95	4.30	57	100	48	205	N/A			
17-1011	Architects, Except Landscape and Naval	2,059	2,151	92	4.47	53	94	46	193	$81,360	Bachelor's degree	None	Internship/residency
17-1022	Surveyors	75	77	2	2.67	2	3	1	6	N/A	Bachelor's degree	None	Internship/residency
17-2000	Engineers	10,346	10,565	219	2.12	236	430	110	776	N/A			
17-2011	Aerospace Engineers	412	416	4	0.97	10	15	2	27	$141,880	Bachelor's degree	None	None
17-2031	Biomedical Engineers	63	65	2	3.17	2	3	1	6	$71,720	Bachelor's degree	None	None
17-2041	Chemical Engineers	114	114	0	0.00	2	4	0	6	$120,070	Bachelor's degree	None	None
17-2051	Civil Engineers	1,249	1,304	55	4.40	28	63	28	119	$94,510	Bachelor's degree	None	None
17-2061	Computer Hardware Engineers	483	510	27	5.59	10	21	14	45	$122,330	Bachelor's degree	None	None
17-2071	Electrical Engineers	598	622	24	4.01	14	24	12	50	$114,240	Bachelor's degree	None	None
17-2072	Electronics Engineers, Except Computer	720	724	4	0.56	16	29	2	47	$123,450	Bachelor's degree	None	None
17-2081	Environmental Engineers	409	418	9	2.20	10	17	4	31	$97,340	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	227	236	9	3.96	6	10	4	20	N/A	Bachelor's degree	None	None
17-2112	Industrial Engineers	243	256	13	5.35	6	10	6	22	$81,190	Bachelor's degree	None	None
17-2121	Marine Engineers and Naval Architects	934	984	50	5.35	22	35	25	82	$122,480	Bachelor's degree	None	None

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		Employment Projections				2018-2020, annual average		Net	Total			Work Experience	Typical on-the -job
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education	in a related	training needed to
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17-2131	Materials Engineers	185	190	5	2.70	6	7	2	15	N/A	Bachelor's degree	None	None
17-2141	Mechanical Engineers	781	801	20	2.56	16	33	10	59	$111,010	Bachelor's degree	None	None
17-2161	Nuclear Engineers	143	145	2	1.40	4	6	1	11	N/A	Bachelor's degree	None	None
17-2199	Engineers, All Other	3,748	3,743	-5	-0.13	86	151	-2	235	$138,160	Bachelor's degree	None	None
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	1,780	1,839	59	3.31	56	96	30	182	N/A			
17-3011	Architectural and Civil Drafters	476	503	27	5.67	14	26	14	54	$66,590	Associate's degree	None	None
17-3012	Electrical and Electronics Drafters	132	136	4	3.03	4	7	2	13	$85,170	Associate's degree	None	None
17-3013	Mechanical Drafters	52	56	4	7.69	2	3	2	7	N/A	Associate's degree	None	None
17-3022	Civil Engineering Technicians	206	209	3	1.46	6	11	2	19	N/A	Associate's degree	None	None
17-3023	Electrical and Electronics Engineering Technicians	422	439	17	4.03	14	22	8	44	$78,580	Associate's degree	None	None
17-3029	Engineering Technicians, Except Drafters, All Other	432	432	0	0.00	14	23	0	37	$93,010	Associate's degree	None	None
19-0000	Life, Physical, and Social Science Occupations	31,181	31,698	517	1.66	743	1,920	258	2,921	$101,450			
19-1000	Life Scientists	2,072	2,112	40	1.93	42	135	20	197	N/A			
19-1012	Food Scientists and Technologists	66	68	2	3.03	2	5	1	8	$94,790	Bachelor's degree	None	None
19-1013	Soil and Plant Scientists	82	82	0	0.00	2	6	0	8	$79,820	Bachelor's degree	None	None
19-1021	Biochemists and Biophysicists	51	51	0	0.00	1	4	0	5	N/A	Doctoral or prof. degree	None	None
19-1022	Microbiologists	83	84	1	1.20	2	6	0	8	N/A	Bachelor's degree	None	None
19-1023	Zoologists and Wildlife Biologists	114	113	-1	-0.88	2	8	0	10	$104,270	Bachelor's degree	None	None
19-1029	Biological Scientists, All Other	587	589	2	0.34	12	38	1	51	$79,820	Bachelor's degree	None	None
19-1031	Conservation Scientists	343	354	11	3.21	7	22	6	35	$64,250	Bachelor's degree	None	None
19-1041	Epidemiologists	66	68	2	3.03	1	4	1	6	$97,690	Master's degree	None	None
19-1042	Medical Scientists, Except Epidemiologists	623	644	21	3.37	12	40	10	62	$83,240	Doctoral or prof. degree	None	None
19-2000	Physical Scientists	4,227	4,262	35	0.83	88	266	18	372	N/A			
19-2011	Astronomers	95	95	0	0.00	2	6	0	8	$123,230	Doctoral or prof. degree	None	None
19-2012	Physicists	763	776	13	1.70	16	44	6	66	$147,370	Doctoral or prof. degree	None	None
19-2021	Atmospheric and Space Scientists	108	115	7	6.48	2	5	4	11	$88,180	Bachelor's degree	None	None
19-2031	Chemists	352	354	2	0.57	9	22	1	32	$123,220	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including Health	1,780	1,794	14	0.79	38	123	7	168	$119,490	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	83	83	0	0.00	2	6	0	8	$123,230	Bachelor's degree	None	None
19-2043	Hydrologists	53	53	0	0.00	1	4	0	5	N/A	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	983	982	-1	-0.10	18	58	0	76	$131,760	Bachelor's degree	None	None
19-3000	Social Scientists and Related Workers	20,451	20,771	320	1.56	438	1,186	160	1,784	N/A			
19-3011	Economists	9,609	9,854	245	2.55	135	538	122	795	$116,910	Master's degree	None	None
19-3022	Survey Researchers	373	375	2	0.54	10	23	1	34	$60,030	Master's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	565	586	21	3.72	14	22	10	46	$77,500	Doctoral or prof. degree	None	Internship/residency
19-3039	Psychologists, All Other	240	244	4	1.67	6	9	2	17	$94,790	Master's degree	None	Internship/residency
19-3041	Sociologists	102	108	6	5.88	3	6	3	12	$74,620	Master's degree	None	None
19-3051	Urban and Regional Planners	369	385	16	4.34	8	22	8	38	$97,970	Master's degree	None	None
19-3091	Anthropologists and Archeologists	81	82	1	1.23	2	5	0	7	$97,960	Master's degree	None	None
19-3093	Historians	302	301	-1	-0.33	8	18	0	26	$104,290	Master's degree	None	None
19-3094	Political Scientists	4,821	4,845	24	0.50	138	297	12	447	$123,070	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	3,948	3,951	3	0.08	112	242	2	356	$98,080	Bachelor's degree	None	None
19-4000	Life, Physical, and Social Science Technicians	4,431	4,553	122	2.75	174	332	61	567	N/A			
19-4021	Biological Technicians	316	319	3	0.95	8	22	2	32	$50,370	Bachelor's degree	None	None
19-4061	Social Science Research Assistants	3,321	3,428	107	3.22	135	252	54	441	$54,200	Bachelor's degree	None	None
19-4091	Environmental Science and Protection Technicians, Including Health	150	151	1	0.67	6	11	0	17	$61,110	Associate's degree	None	None
19-4092	Forensic Science Technicians	233	240	7	3.00	10	18	4	32	N/A	Bachelor's degree	None	Moderate-term OJT
19-4099	Life, Physical, and Social Science Technicians, All Other	333	335	2	0.60	14	25	1	40	$58,440	Associate's degree	None	None
21-0000	Community and Social Service Occupations	12,418	12,870	452	3.64	512	858	226	1,596	$56,330			
21-1000	Counselors, Social Workers, & Other Community & Social Service Specialists	11,600	12,022	422	3.64	467	800	211	1,478	N/A			
21-1011	Substance Abuse and Behavioral Disorder Counselors	165	171	6	3.64	6	11	3	20	N/A	Bachelor's degree	None	None

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21-1012	Educational, Guidance, School, and Vocational Counselors	1,733	1,810	77	4.44	65	116	38	219	$63,050	Master's degree	None	None
21-1014	Mental Health Counselors	537	572	35	6.52	20	36	18	74	N/A	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	705	724	19	2.70	26	46	10	82	$39,640	Master's degree	None	None
21-1019	Counselors, All Other	208	217	9	4.33	8	14	4	26	$46,700	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	2,301	2,376	75	3.26	84	148	38	270	$62,520	Bachelor's degree	None	None
21-1022	Healthcare Social Workers	521	541	20	3.84	19	34	10	63	$66,970	Master's degree	None	Internship/residency
21-1023	Mental Health and Substance Abuse Social Workers	517	533	16	3.09	19	34	8	61	$59,360	Master's degree	None	Internship/residency
21-1029	Social Workers, All Other	359	361	2	0.56	13	23	1	37	$76,040	Bachelor's degree	None	None
21-1091	Health Educators	760	773	13	1.71	34	57	6	97	$86,960	Bachelor's degree	None	None
21-1092	Probation Officers and Correctional Treatment Specialists	100	103	3	3.00	3	6	2	11	$60,080	Bachelor's degree	None	Short-term OJT
21-1093	Social and Human Service Assistants	2,051	2,126	75	3.66	94	150	38	282	$42,370	HS or EQ	None	Short-term OJT
21-1094	Community Health Workers	1,000	1,048	48	4.80	46	76	24	146	$59,570	HS or EQ	None	Short-term OJT
21-1099	Community and Social Service Specialists, All Other	613	636	23	3.75	28	46	12	86	$49,180	Bachelor's degree	None	None
21-2000	Religious Workers	818	848	30	3.67	44	58	15	117	N/A			
21-2011	Clergy	137	141	4	2.92	6	8	2	16	$58,930	Bachelor's degree	None	Moderate-term OJT
21-2021	Directors, Religious Activities and Education	350	365	15	4.29	16	27	8	51	$74,550	Bachelor's degree	Less than 5 years	None
21-2099	Religious Workers, All Other	331	342	11	3.32	22	23	6	51	$41,480	Bachelor's degree	None	None
23-0000	Legal Occupations	48,142	49,396	1,254	2.60	1,080	1,377	627	3,084	$155,920			
23-1000	Lawyers, Judges, and Related Workers	40,137	41,108	971	2.42	806	878	486	2,170	N/A			
23-1011	Lawyers	39,599	40,570	971	2.45	796	867	486	2,149	$161,900	Doctoral or prof. degree	None	None
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	424	423	-1	-0.24	8	9	0	17	N/A	Doctoral or prof. degree	5 years or more	Short-term OJT
23-1022	Arbitrators, Mediators, and Conciliators	107	108	1	0.93	2	2	0	4	$91,770	Bachelor's degree	Less than 5 years	Moderate-term OJT
23-2000	Legal Support Workers	8,005	8,288	283	3.54	274	498	142	914	N/A			
23-2011	Paralegals and Legal Assistants	5,950	6,200	250	4.20	200	404	125	729	$76,570	Associate's degree	None	None
23-2091	Court Reporters	119	119	0	0.00	4	6	0	10	$44,270	Postsecondary non-degree	None	Short-term OJT
23-2093	Title Examiners, Abstractors, and Searchers	59	61	2	3.39	2	2	1	5	$68,730	HS or EQ	None	Moderate-term OJT
23-2099	Legal Support Workers, All Other	1,877	1,908	31	1.65	67	86	16	169	$64,700	Associate's degree	None	None
25-0000	Education, Training, and Library Occupations	34,806	36,240	1,434	4.12	1,483	1,454	717	3,654	$66,900			
25-1000	Postsecondary Teachers	12,537	12,721	184	1.47	460	482	92	1,034	N/A			
25-1011	Business Teachers, Postsecondary	1,508	1,551	43	2.85	56	58	22	136	$94,130	Doctoral or prof. degree	None	None
25-1021	Computer Science Teachers, Postsecondary	156	158	2	1.28	6	6	1	13	$106,210	Doctoral or prof. degree	None	None
25-1022	Mathematical Science Teachers, Postsecondary	170	171	1	0.59	6	6	0	12	$83,070	Doctoral or prof. degree	None	None
25-1031	Architecture Teachers, Postsecondary	222	224	2	0.90	8	8	1	17	N/A	Doctoral or prof. degree	None	None
25-1032	Engineering Teachers, Postsecondary	86	87	1	1.16	3	4	0	7	$112,050	Doctoral or prof. degree	None	None
25-1042	Biological Science Teachers, Postsecondary	303	308	5	1.65	11	12	2	25	$124,480	Doctoral or prof. degree	None	None
25-1052	Chemistry Teachers, Postsecondary	86	86	0	0.00	3	4	0	7	$71,800	Doctoral or prof. degree	None	None
25-1054	Physics Teachers, Postsecondary	59	59	0	0.00	2	2	0	4	$92,220	Doctoral or prof. degree	None	None
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	643	648	5	0.78	24	24	2	50	N/A	Doctoral or prof. degree	None	None
25-1063	Economics Teachers, Postsecondary	169	171	2	1.18	6	6	1	13	$97,490	Doctoral or prof. degree	None	None
25-1065	Political Science Teachers, Postsecondary	1,160	1,170	10	0.86	42	44	5	91	$96,330	Doctoral or prof. degree	None	None
25-1066	Psychology Teachers, Postsecondary	109	111	2	1.83	4	4	1	9	$102,830	Doctoral or prof. degree	None	None
25-1067	Sociology Teachers, Postsecondary	105	105	0	0.00	4	4	0	8	$121,750	Doctoral or prof. degree	None	None
25-1071	Health Specialties Teachers, Postsecondary	487	507	20	4.11	18	19	10	47	N/A	Doctoral or prof. degree	Less than 5 years	None
25-1072	Nursing Instructors and Teachers, Postsecondary	504	524	20	3.97	19	20	10	49	$131,960	Doctoral or prof. degree	Less than 5 years	None
25-1081	Education Teachers, Postsecondary	1,617	1,629	12	0.74	60	62	6	128	N/A	Doctoral or prof. degree	Less than 5 years	None
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	77	78	1	1.30	3	3	0	6	$89,480	Doctoral or prof. degree	None	None
25-1112	Law Teachers, Postsecondary	1,362	1,376	14	1.03	50	52	7	109	$97,340	Doctoral or prof. degree	Less than 5 years	None
25-1121	Art, Drama, and Music Teachers, Postsecondary	454	460	6	1.32	16	18	3	37	$83,650	Master's degree	None	None
25-1122	Communications Teachers, Postsecondary	211	212	1	0.47	8	8	0	16	$77,790	Doctoral or prof. degree	None	None
25-1123	English Language and Literature Teachers, Postsecondary	275	278	3	1.09	10	10	2	22	$96,710	Doctoral or prof. degree	None	None
25-1124	Foreign Language and Literature Teachers, Postsecondary	696	712	16	2.30	26	27	8	61	$56,570	Doctoral or prof. degree	None	None

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2018 - 2020*														
						Occupational Separations,			Annual		Worker Characteristics			
		Employment Projections				2018-2020, annual average		Net	Total				Work Experience	Typical on-the -job
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education		in a related	training needed to
Soccode	Occupational Title	2018	2020	Numeric	Percent	Exits	Transfers	Emp. Change	2019-2021	Annual Wage**	Needed for Entry		Occupation	attain competency
25-1125	History Teachers, Postsecondary	82	83	1	1.22	3	3	0	6	$107,970	Doctoral or prof. degree		None	None
25-1126	Philosophy and Religion Teachers, Postsecondary	451	457	6	1.33	16	18	3	37	$81,190	Doctoral or prof. degree		None	None
25-1191	Graduate Teaching Assistants	395	396	1	0.25	14	15	0	29	N/A	Bachelor's degree		None	None
25-1194	Vocational Education Teachers, Postsecondary	53	55	2	3.77	2	2	1	5	$53,570	Bachelor's degree		Less than 5 years	None
25-1199	Postsecondary Teachers, All Other	946	953	7	0.74	35	36	4	75	$67,840	Doctoral or prof. degree		None	None
25-2000	Preschool, Primary, Secondary, and Special Education School Teachers	10,849	11,635	786	7.24	378	441	393	1,212	N/A				
25-2011	Preschool Teachers, Except Special Education	1,397	1,460	63	4.51	62	76	32	170	$37,480	Associate's degree		None	None
25-2012	Kindergarten Teachers, Except Special Education	94	101	7	7.45	4	5	4	13	$59,550	Bachelor's degree		None	None
25-2021	Elementary School Teachers, Except Special Education	2,940	3,174	234	7.96	101	113	117	331	$74,630	Bachelor's degree		None	None
25-2022	Middle School Teachers, Except Special and Career/Technical Education	1,417	1,530	113	7.97	48	54	56	158	$73,340	Bachelor's degree		None	None
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	3,364	3,608	244	7.25	107	130	122	359	$61,850	Bachelor's degree		None	None
25-2052	Special Education Teachers, Kindergarten and Elementary School	563	607	44	7.82	20	22	22	64	$70,150	Bachelor's degree		None	None
25-2053	Special Education Teachers, Middle School	218	235	17	7.80	8	8	8	24	$62,000	Bachelor's degree		None	None
25-2054	Special Education Teachers, Secondary School	594	641	47	7.91	20	22	24	66	$66,540	Bachelor's degree		None	None
25-2059	Special Education Teachers, All Other	228	242	14	6.14	8	8	7	23	$57,650	Bachelor's degree		None	None
25-3000	Other Teachers and Instructors	3,057	3,175	118	3.86	190	146	59	395	N/A				
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	248	251	3	1.21	15	12	2	29	$46,610	Bachelor's degree		None	None
25-3021	Self-Enrichment Education Teachers	543	563	20	3.68	34	26	10	70	$42,110	HS or EQ		Less than 5 years	None
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	2,197	2,288	91	4.14	136	105	46	287	$71,100	Bachelor's degree		None	None
25-3098	Substitute Teachers	69	73	4	5.80	4	4	2	10	$42,500	Bachelor's degree		None	None
25-4000	Librarians, Curators, and Archivists	3,045	3,092	47	1.54	171	146	24	341	N/A				
25-4011	Archivists	268	274	6	2.24	12	16	3	31	$71,610	Master's degree		None	None
25-4012	Curators	211	215	4	1.90	9	12	2	23	$82,020	Master's degree		None	None
25-4013	Museum Technicians and Conservators	597	599	2	0.34	25	34	1	60	$66,520	Bachelor's degree		None	None
25-4021	Librarians	1,264	1,293	29	2.29	70	48	14	132	$80,590	Master's degree		None	None
25-4031	Library Technicians	705	711	6	0.85	56	36	3	95	$48,940	Postsecondary non-degree		None	None
25-9000	Other Education, Training, and Library Occupations	5,318	5,617	299	5.62	284	240	150	674	N/A				
25-9031	Instructional Coordinators	1,756	1,830	74	4.21	85	74	37	196	$85,040	Master's degree		5 years or more	None
25-9041	Teacher Assistants	3,176	3,392	216	6.80	180	150	108	438	$33,670	Some college, no degree		None	None
25-9099	Education, Training, and Library Workers, All Other	348	355	7	2.01	16	14	4	34	$61,400	Bachelor's degree		None	None
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	42,462	43,771	1,309	3.08	1,418	2,607	654	4,679	$79,930				
27-1000	Art and Design Workers	6,437	6,563	126	1.96	269	285	63	617	N/A				
27-1011	Art Directors	963	993	30	3.12	48	28	15	91	$74,480	Bachelor's degree		5 years or more	None
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	107	110	3	2.80	6	3	2	11	N/A	Bachelor's degree		None	Long-term OJT
27-1014	Multimedia Artists and Animators	160	163	3	1.88	8	4	2	14	$86,480	Bachelor's degree		None	None
27-1019	Artists and Related Workers, All Other	1,718	1,710	-8	-0.47	84	50	-4	130	$94,810	No formal educ. credential		None	Long-term OJT
27-1023	Floral Designers	200	196	-4	-2.00	7	11	-2	16	$35,950	HS or EQ		None	Moderate-term OJT
27-1024	Graphic Designers	2,012	2,073	61	3.03	72	115	30	217	$66,450	Bachelor's degree		None	None
27-1025	Interior Designers	721	752	31	4.30	26	42	16	84	$67,670	Bachelor's degree		None	None
27-1026	Merchandise Displayers and Window Trimmers	159	162	3	1.89	6	9	2	17	$37,850	HS or EQ		None	Short-term OJT
27-1027	Set and Exhibit Designers	271	274	3	1.11	10	16	2	28	$73,730	Bachelor's degree		None	None
27-1029	Designers, All Other	90	93	3	3.33	3	5	2	10	$70,770	Bachelor's degree		None	None
27-2000	Entertainers and Performers, Sports and Related Workers	3,974	4,110	136	3.42	155	246	68	469	N/A				
27-2011	Actors	322	334	12	3.73	16	16	6	38	N/A	Some college, no degree		None	Long-term OJT
27-2012	Producers and Directors	2,197	2,284	87	3.96	56	138	44	238	$80,540	Bachelor's degree		Less than 5 years	None
27-2022	Coaches and Scouts	578	587	9	1.56	32	44	4	80	$51,620	Bachelor's degree		None	None
27-2031	Dancers	113	118	5	4.42	7	8	2	17	N/A	No formal educ. credential		None	Long-term OJT
27-2032	Choreographers	194	197	3	1.55	12	14	2	28	$49,140	HS or EQ		5 years or more	Long-term OJT
27-2041	Music Directors and Composers	104	108	4	3.85	6	4	2	12	N/A	Bachelor's degree		Less than 5 years	None
27-2042	Musicians and Singers	256	263	7	2.73	15	10	4	29	N/A	No formal educ. credential		None	Long-term OJT
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	194	202	8	4.12	10	12	4	26	N/A	No formal educ. credential		None	Short-term OJT

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2018 - 2020*													
						Occupational Separations,			Annual		Worker Characteristics		
		Employment Projections				2018-2020, annual average		Net	Total			Work Experience	Typical on-the -job
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education	in a related	training needed to
Soccode	Occupational Title	2018	2020	Numeric	Percent	Exits	Transfers	Emp. Change	2019-2021	Annual Wage**	Needed for Entry	Occupation	attain competency
27-3000	Media and Communication Workers	28,706	29,647	941	3.28	892	1,876	470	3,238	N/A			
27-3011	Radio and Television Announcers	397	400	3	0.76	17	21	2	40	$62,770	Bachelor's degree	None	None
27-3021	Broadcast News Analysts	366	385	19	5.19	12	25	10	47	$85,270	Bachelor's degree	None	None
27-3022	Reporters and Correspondents	2,143	2,218	75	3.50	67	144	38	249	$83,320	Bachelor's degree	None	None
27-3031	Public Relations Specialists	18,665	19,333	668	3.58	532	1,286	334	2,152	$83,810	Bachelor's degree	None	None
27-3041	Editors	3,704	3,792	88	2.38	124	237	44	405	$79,430	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	839	882	43	5.13	28	52	22	102	$85,040	Bachelor's degree	Less than 5 years	Short-term OJT
27-3043	Writers and Authors	1,841	1,867	26	1.41	79	79	13	171	$93,010	Bachelor's degree	None	Long-term OJT
27-3091	Interpreters and Translators	503	515	12	2.39	23	22	6	51	$98,140	Bachelor's degree	None	None
27-3099	Media and Communication Workers, All Other	245	251	6	2.45	11	11	3	25	$66,380	HS or EQ	None	Short-term OJT
27-4000	Media and Communication Equipment Workers	3,345	3,451	106	3.17	102	199	53	354	N/A			
27-4011	Audio and Video Equipment Technicians	768	806	38	4.95	22	48	19	89	$60,930	Postsecondary non-degree	None	Short-term OJT
27-4012	Broadcast Technicians	698	730	32	4.58	20	44	16	80	$87,780	Associate's degree	None	Short-term OJT
27-4013	Radio Operators	60	61	1	1.67	2	4	0	6	N/A	HS or EQ	None	Short-term OJT
27-4014	Sound Engineering Technicians	91	95	4	4.40	2	6	2	10	$61,490	Postsecondary non-degree	None	Short-term OJT
27-4021	Photographers	419	418	-1	-0.24	18	14	0	32	$64,930	HS or EQ	None	Long-term OJT
27-4031	Camera Operators, Television, Video, and Motion Picture	628	652	24	3.82	19	40	12	71	$89,680	Bachelor's degree	None	None
27-4032	Film and Video Editors	180	190	10	5.56	6	12	5	23	$80,260	Bachelor's degree	None	None
27-4099	Media and Communication Equipment Workers, All Other	501	499	-2	-0.40	14	31	-1	44	$107,440	HS or EQ	None	Short-term OJT
29-0000	Healthcare Practitioners and Technical Occupations	32,109	32,968	859	2.68	832	800	430	2,062	$79,150			
29-1000	Health Diagnosing and Treating Practitioners	22,011	22,601	590	2.68	540	441	295	1,276	N/A			
29-1021	Dentists, General	295	304	9	3.05	6	2	4	12	$157,130	Doctoral or prof. degree	None	None
29-1031	Dietitians and Nutritionists	398	413	15	3.77	12	12	8	32	$62,290	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	115	120	5	4.35	2	2	2	6	$75,990	Doctoral or prof. degree	None	None
29-1051	Pharmacists	927	952	25	2.70	22	18	12	52	$124,240	Doctoral or prof. degree	None	None
29-1061	Anesthesiologists	220	225	5	2.27	4	2	2	8	N/A	Doctoral or prof. degree	None	Internship/residency
29-1062	Family and General Practitioners	229	235	6	2.62	4	2	3	9	$167,530	Doctoral or prof. degree	None	Internship/residency
29-1063	Internists, General	1,139	1,159	20	1.76	17	12	10	39	$70,900	Doctoral or prof. degree	None	Internship/residency
29-1064	Obstetricians and Gynecologists	155	157	2	1.29	2	2	1	5	N/A	Doctoral or prof. degree	None	Internship/residency
29-1065	Pediatricians, General	306	312	6	1.96	4	4	3	11	$113,700	Doctoral or prof. degree	None	Internship/residency
29-1066	Psychiatrists	117	119	2	1.71	2	2	1	5	$183,160	Doctoral or prof. degree	None	Internship/residency
29-1067	Surgeons	299	304	5	1.67	4	4	2	10	N/A	Doctoral or prof. degree	None	Internship/residency
29-1069	Physicians and Surgeons, All Other	2,098	2,133	35	1.67	31	24	18	73	$187,000	Doctoral or prof. degree	None	Internship/residency
29-1071	Physician Assistants	502	532	30	5.98	9	18	15	42	$112,850	Master's degree	None	None
29-1081	Podiatrists	73	74	1	1.37	2	2	0	4	$124,720	Doctoral or prof. degree	None	Internship/residency
29-1122	Occupational Therapists	372	391	19	5.11	8	10	10	28	$89,050	Master's degree	None	None
29-1123	Physical Therapists	704	736	32	4.55	14	15	16	45	$82,800	Doctoral or prof. degree	None	None
29-1124	Radiation Therapists	121	124	3	2.48	3	2	2	7	$78,500	Associate's degree	None	None
29-1125	Recreational Therapists	169	175	6	3.55	5	4	3	12	$52,330	Bachelor's degree	None	None
29-1126	Respiratory Therapists	366	379	13	3.55	9	8	6	23	$70,720	Associate's degree	None	None
29-1127	Speech-Language Pathologists	357	375	18	5.04	6	12	9	27	$85,710	Master's degree	None	Internship/residency
29-1131	Veterinarians	134	137	3	2.24	2	2	2	6	$99,240	Doctoral or prof. degree	None	None
29-1141	Registered Nurses	11,210	11,494	284	2.53	325	247	142	714	$87,040	Bachelor's degree	None	None
29-1151	Nurse Anesthetists	110	111	1	0.91	2	4	0	6	N/A	Master's degree	None	None
29-1171	Nurse Practitioners	690	729	39	5.65	14	20	20	54	$108,070	Master's degree	None	None
29-1181	Audiologists	116	119	3	2.59	3	2	2	7	$106,470	Doctoral or prof. degree	None	None
29-1199	Health Diagnosing and Treating Practitioners, All Other	662	664	2	0.30	26	6	1	33	$120,070	Master's degree	None	None
29-2000	Health Technologists and Technicians	9,179	9,420	241	2.63	271	333	120	724	N/A			
29-2011	Medical and Clinical Laboratory Technologists	509	524	15	2.95	16	16	8	40	N/A	Bachelor's degree	None	None
29-2012	Medical and Clinical Laboratory Technicians	274	280	6	2.19	8	8	3	19	N/A	Associate's degree	None	None
29-2021	Dental Hygienists	452	463	11	2.43	16	10	6	32	$88,760	Associate's degree	None	None

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2018 - 2020*														
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		Employment Projections				2018-2020, annual average		Net	Total				Work Experience	Typical on-the -job
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education		in a related	training needed to
Soccode	Occupational Title	2018	2020	Numeric	Percent	Exits	Transfers	Emp. Change	2019-2021	Annual Wage**	Needed for Entry		Occupation	attain competency
29-2031	Cardiovascular Technologists and Technicians	151	154	3	1.99	4	4	2	10	$81,730	Associate's degree		None	None
29-2032	Diagnostic Medical Sonographers	183	193	10	5.46	5	4	5	14	$89,550	Associate's degree		None	None
29-2034	Radiologic Technologists	513	523	10	1.95	14	13	5	32	$77,150	Associate's degree		None	None
29-2035	Magnetic Resonance Imaging Technologists	101	104	3	2.97	2	2	2	6	$88,030	Associate's degree		Less than 5 years	None
29-2041	Emergency Medical Technicians and Paramedics	1,727	1,749	22	1.27	30	72	11	113	$60,100	Postsecondary non-degree		None	None
29-2051	Dietetic Technicians	85	88	3	3.53	3	4	2	9	$28,070	Associate's degree		None	None
29-2052	Pharmacy Technicians	959	1,000	41	4.28	32	44	20	96	$35,290	HS or EQ		None	Moderate-term OJT
29-2053	Psychiatric Technicians	355	359	4	1.13	12	16	2	30	$42,240	Postsecondary non-degree		Less than 5 years	Short-term OJT
29-2054	Respiratory Therapy Technicians	125	112	-13	-10.40	4	6	-6	4	N/A	Associate's degree		None	None
29-2055	Surgical Technologists	268	272	4	1.49	9	12	2	23	$59,270	Postsecondary non-degree		None	None
29-2056	Veterinary Technologists and Technicians	178	183	5	2.81	6	8	2	16	$34,970	Associate's degree		None	None
29-2061	Licensed Practical and Licensed Vocational Nurses	1,864	1,937	73	3.92	67	66	36	169	$52,610	Postsecondary non-degree		None	None
29-2071	Medical Records and Health Information Technicians	524	538	14	2.67	16	16	7	39	$46,430	Postsecondary non-degree		None	None
29-2081	Opticians, Dispensing	302	315	13	4.30	10	12	6	28	$44,110	HS or EQ		None	Long-term OJT
29-2099	Health Technologists and Technicians, All Other	503	516	13	2.58	14	17	6	37	$49,400	Postsecondary non-degree		None	None
29-9000	Other Healthcare Practitioners and Technical Occupations	919	947	28	3.05	21	26	14	61	N/A				
29-9011	Occupational Health and Safety Specialists	567	581	14	2.47	12	16	7	35	$87,820	Bachelor's degree		None	None
29-9012	Occupational Health and Safety Technicians	106	111	5	4.72	2	3	2	7	$82,240	HS or EQ		None	Moderate-term OJT
29-9091	Athletic Trainers	81	85	4	4.94	2	2	2	6	$59,440	Bachelor's degree		None	None
29-9099	Healthcare Practitioners and Technical Workers, All Other	126	130	4	3.17	3	4	2	9	$87,200	Postsecondary non-degree		None	None
31-0000	Healthcare Support Occupations	14,176	15,140	964	6.80	844	780	482	2,106	$30,090				
31-1000	Nursing, Psychiatric, and Home Health Aides	10,471	11,292	821	7.84	661	550	410	1,621	N/A				
31-1011	Home Health Aides	6,680	7,421	741	11.09	428	356	370	1,154	$28,290	HS or EQ		None	Short-term OJT
31-1013	Psychiatric Aides	325	336	11	3.38	20	16	6	42	N/A	HS or EQ		None	Short-term OJT
31-1014	Nursing Assistants	3,254	3,319	65	2.00	200	166	32	398	$33,300	Postsecondary non-degree		None	None
31-1015	Orderlies	212	216	4	1.89	13	11	2	26	$30,050	HS or EQ		None	Short-term OJT
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	367	380	13	3.54	16	28	6	50	N/A				
31-2012	Occupational Therapy Aides	63	66	3	4.76	3	4	2	9	$41,360	HS or EQ		None	Short-term OJT
31-2021	Physical Therapist Assistants	178	183	5	2.81	8	14	2	24	$38,720	Associate's degree		None	None
31-2022	Physical Therapist Aides	92	96	4	4.35	4	7	2	13	$31,890	HS or EQ		None	Short-term OJT
31-9000	Other Healthcare Support Occupations	3,338	3,468	130	3.89	166	203	65	434	N/A				
31-9011	Massage Therapists	57	60	3	5.26	4	2	2	8	$26,330	Postsecondary non-degree		None	None
31-9091	Dental Assistants	636	652	16	2.52	33	37	8	78	$48,030	Postsecondary non-degree		None	None
31-9092	Medical Assistants	1,780	1,868	88	4.94	80	112	44	236	$39,720	Postsecondary non-degree		None	None
31-9093	Medical Equipment Preparers	207	214	7	3.38	13	12	4	29	$39,480	HS or EQ		None	Moderate-term OJT
31-9094	Medical Transcriptionists	52	50	-2	-3.85	4	2	-1	5	$25,390	Postsecondary non-degree		None	None
31-9095	Pharmacy Aides	83	83	0	0.00	6	6	0	12	N/A	HS or EQ		None	Short-term OJT
31-9097	Phlebotomists	283	295	12	4.24	12	16	6	34	$40,150	Postsecondary non-degree		None	None
31-9099	Healthcare Support Workers, All Other	219	224	5	2.28	14	13	2	29	$45,690	HS or EQ		None	None
33-0000	Protective Service Occupations	32,282	32,706	424	1.31	1,585	1,844	212	3,641	$56,220				
33-1000	Supervisors of Protective Service Workers	2,805	2,828	23	0.82	100	110	12	222	N/A				
33-1011	First-Line Supervisors of Correctional Officers	52	51	-1	-1.92	2	2	0	4	$80,420	HS or EQ		Less than 5 years	None
33-1012	First-Line Supervisors of Police and Detectives	1,382	1,379	-3	-0.22	38	42	-2	78	$108,970	HS or EQ		Less than 5 years	Moderate-term OJT
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	213	213	0	0.00	7	6	0	13	N/A	Postsecondary non-degree		Less than 5 years	Moderate-term OJT
33-1099	First-Line Supervisors of Protective Service Workers, All Other	1,158	1,185	27	2.33	54	58	14	126	$54,130	HS or EQ		Less than 5 years	None
33-2000	Fire Fighting and Prevention Workers	751	752	1	0.13	18	32	0	50	N/A				
33-2011	Firefighters	679	680	1	0.15	15	29	0	44	N/A	Postsecondary non-degree		None	Long-term OJT
33-2021	Fire Inspectors and Investigators	72	72	0	0.00	4	4	0	8	N/A	Postsecondary non-degree		5 years or more	Moderate-term OJT
33-3000	Law Enforcement Workers	11,122	11,065	-57	-0.51	295	422	-28	689	N/A				
33-3012	Correctional Officers and Jailers	880	866	-14	-1.59	31	39	-7	63	N/A	HS or EQ		None	Moderate-term OJT
33-3021	Detectives and Criminal Investigators	3,674	3,660	-14	-0.38	98	128	-7	219	N/A	HS or EQ		Less than 5 years	Moderate-term OJT

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2018 - 2020*													
						Occupational Separations,			Annual		Worker Characteristics		
		Employment Projections				2018-2020, annual average		Net	Total			Work Experience	Typical on-the -job
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education	in a related	training needed to
Soccode	Occupational Title	2018	2020	Numeric	Percent	Exits	Transfers	Emp. Change	2019-2021	Annual Wage**	Needed for Entry	Occupation	attain competency
33-3041	Parking Enforcement Workers	282	260	-22	-7.80	14	10	-11	13	$54,730	HS or EQ	None	Short-term OJT
33-3051	Police and Sheriff's Patrol Officers	6,286	6,279	-7	-0.11	152	245	-4	393	$74,890	HS or EQ	None	Moderate-term OJT
33-9000	Other Protective Service Workers	17,604	18,061	457	2.60	1,171	1,280	228	2,679	N/A			
33-9021	Private Detectives and Investigators	174	186	12	6.90	9	8	6	23	$69,790	HS or EQ	Less than 5 years	Moderate-term OJT
33-9032	Security Guards	15,931	16,362	431	2.71	958	1,139	216	2,313	$39,160	HS or EQ	None	Short-term OJT
33-9091	Crossing Guards	339	344	5	1.47	48	14	2	64	$35,150	No formal educ. credential	None	Short-term OJT
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	203	208	5	2.46	28	22	2	52	$36,010	No formal educ. credential	None	Short-term OJT
33-9099	Protective Service Workers, All Other	914	916	2	0.22	126	96	1	223	$39,390	HS or EQ	None	Short-term OJT
35-0000	Food Preparation and Serving Related Occupations	58,736	61,513	2,777	4.73	4,412	5,592	1,388	11,392	$26,840			
35-1000	Supervisors of Food Preparation and Serving Workers	5,393	5,659	266	4.93	234	522	133	889	N/A			
35-1011	Chefs and Head Cooks	1,094	1,145	51	4.66	36	102	26	164	$59,340	HS or EQ	5 years or more	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	4,299	4,514	215	5.00	198	420	108	726	$36,380	HS or EQ	Less than 5 years	None
35-2000	Cooks and Food Preparation Workers	13,733	14,368	635	4.62	874	1,140	318	2,332	N/A			
35-2011	Cooks, Fast Food	2,257	2,310	53	2.35	134	182	26	342	$24,680	No formal educ. credential	None	Short-term OJT
35-2012	Cooks, Institution and Cafeteria	1,935	2,038	103	5.32	116	159	52	327	$35,200	No formal educ. credential	None	Short-term OJT
35-2013	Cooks, Private Household	51	52	1	1.96	3	4	0	7	N/A	Postsecondary non-degree	Less than 5 years	None
35-2014	Cooks, Restaurant	6,554	6,907	353	5.39	394	538	176	1,108	$29,340	No formal educ. credential	Less than 5 years	Moderate-term OJT
35-2015	Cooks, Short Order	606	620	14	2.31	36	49	7	92	$24,930	No formal educ. credential	None	Short-term OJT
35-2021	Food Preparation Workers	2,311	2,421	110	4.76	189	205	55	449	$27,400	No formal educ. credential	None	Short-term OJT
35-3000	Food and Beverage Serving Workers	27,539	28,891	1,352	4.91	2,211	2,878	676	5,765	N/A			
35-3011	Bartenders	4,685	4,862	177	3.78	230	548	88	866	$31,300	No formal educ. credential	None	Short-term OJT
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	9,525	10,151	626	6.57	871	911	313	2,095	$25,460	No formal educ. credential	None	Short-term OJT
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	2,139	2,228	89	4.16	262	206	44	512	$25,950	No formal educ. credential	None	Short-term OJT
35-3031	Waiters and Waitresses	9,331	9,749	418	4.48	706	1,082	209	1,997	$24,680	No formal educ. credential	None	Short-term OJT
35-3041	Food Servers, Nonrestaurant	1,859	1,901	42	2.26	142	132	21	295	$27,580	No formal educ. credential	None	Short-term OJT
35-9000	Other Food Preparation and Serving Related Workers	12,071	12,595	524	4.34	1,094	1,052	262	2,408	N/A			
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	5,264	5,498	234	4.45	479	426	117	1,022	$25,750	No formal educ. credential	None	Short-term OJT
35-9021	Dishwashers	4,370	4,545	175	4.00	330	355	88	773	$25,920	No formal educ. credential	None	Short-term OJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,342	2,451	109	4.65	276	262	54	592	$26,450	No formal educ. credential	None	Short-term OJT
35-9099	Food Preparation and Serving Related Workers, All Other	95	101	6	6.32	8	8	3	19	N/A	No formal educ. credential	None	Short-term OJT
37-0000	Building and Grounds Cleaning and Maintenance Occupations	26,157	27,104	947	3.62	1,752	1,630	474	3,856	$30,680			
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	1,796	1,864	68	3.79	91	110	34	235	N/A			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,719	1,786	67	3.90	88	106	34	228	$39,400	HS or EQ	Less than 5 years	None
37-1012	!st-Line Supervisors of Landscaping, Lawn Service, & Groundskeeping Workers	77	78	1	1.30	2	4	0	6	$50,550	HS or EQ	Less than 5 years	None
37-2000	Building Cleaning and Pest Control Workers	23,405	24,262	857	3.66	1,616	1,450	428	3,494	N/A			
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	16,151	16,764	613	3.80	1,072	1,036	306	2,414	$28,930	No formal educ. credential	None	Short-term OJT
37-2012	Maids and Housekeeping Cleaners	7,180	7,422	242	3.37	540	408	121	1,069	$37,430	No formal educ. credential	None	Short-term OJT
37-3000	Grounds Maintenance Workers	956	978	22	2.30	46	69	11	126	N/A			
37-3011	Landscaping and Groundskeeping Workers	789	808	19	2.41	38	57	10	105	$35,150	No formal educ. credential	None	Short-term OJT
37-3013	Tree Trimmers and Pruners	85	86	1	1.18	4	6	0	10	$57,740	HS or EQ	None	Short-term OJT
37-3019	Grounds Maintenance Workers, All Other	59	60	1	1.69	3	4	0	7	$46,820	No formal educ. credential	None	Short-term OJT
39-0000	Personal Care and Service Occupations	19,121	20,032	911	4.76	1,490	1,433	456	3,379	$29,730			
39-1000	Supervisors of Personal Care and Service Workers	548	570	22	4.01	27	28	11	66	N/A			
39-1021	First-Line Supervisors of Personal Service Workers	519	540	21	4.05	26	24	10	60	$44,500	HS or EQ	Less than 5 years	None
39-2000	Animal Care and Service Workers	673	711	38	5.65	47	56	19	122	N/A			
39-2021	Nonfarm Animal Caretakers	663	701	38	5.73	46	55	19	120	$32,840	HS or EQ	None	Short-term OJT
39-3000	Entertainment Attendants and Related Workers	1,604	1,701	97	6.05	200	184	48	432	N/A			
39-3011	Gaming Dealers	83	87	4	4.82	5	8	2	15	N/A	HS or EQ	None	Short-term OJT
39-3031	Ushers, Lobby Attendants, and Ticket Takers	1,138	1,213	75	6.59	154	131	38	323	N/A	No formal educ. credential	None	Short-term OJT
39-3091	Amusement and Recreation Attendants	233	245	12	5.15	25	28	6	59	$25,520	No formal educ. credential	None	Short-term OJT
39-3092	Costume Attendants	66	70	4	6.06	7	8	2	17	$39,330	HS or EQ	None	Short-term OJT

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2018 - 2020*													
						Occupational Separations,			Annual		Worker Characteristics		
		Employment Projections				2018-2020, annual average		Net	Total			Work Experience	Typical on-the -job
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education	in a related	training needed to
Soccode	Occupational Title	2018	2020	Numeric	Percent	Exits	Transfers	Emp. Change	2019-2021	Annual Wage**	Needed for Entry	Occupation	attain competency
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	60	61	1	1.67	6	7	0	13	$27,640	HS or EQ	None	Short-term OJT
39-4000	Funeral Service Workers	59	60	1	1.69	4	4	0	8	N/A			
39-5000	Personal Appearance Workers	1,673	1,718	45	2.69	110	84	22	216	N/A			
39-5011	Barbers	104	106	2	1.92	5	4	1	10	$36,880	Postsecondary non-degree	None	None
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,262	1,296	34	2.69	86	64	17	167	$30,950	Postsecondary non-degree	None	None
39-5091	Makeup Artists, Theatrical and Performance	62	65	3	4.84	4	3	2	9	$113,230	Postsecondary non-degree	None	None
39-5092	Manicurists and Pedicurists	64	65	1	1.56	4	4	0	8	$26,200	Postsecondary non-degree	None	None
39-5093	Shampooers	121	124	3	2.48	8	6	2	16	$27,570	No formal educ. credential	None	Short-term OJT
39-5094	Skincare Specialists	60	62	2	3.33	4	3	1	8	N/A	Postsecondary non-degree	None	None
39-6000	Baggage Porters, Bellhops, and Concierges	1,721	1,809	88	5.11	84	155	44	283	N/A			
39-6011	Baggage Porters and Bellhops	701	730	29	4.14	34	63	14	111	$26,160	HS or EQ	None	Short-term OJT
39-6012	Concierges	1,020	1,079	59	5.78	50	92	30	172	$34,210	HS or EQ	None	Moderate-term OJT
39-7000	Tour and Travel Guides	483	497	14	2.90	43	41	7	91	N/A			
39-7011	Tour Guides and Escorts	451	465	14	3.10	40	38	7	85	N/A	HS or EQ	None	Moderate-term OJT
39-9000	Other Personal Care and Service Workers	12,360	12,966	606	4.90	976	881	303	2,160	N/A			
39-9011	Childcare Workers	3,999	4,127	128	3.20	332	252	64	648	$29,810	HS or EQ	None	Short-term OJT
39-9021	Personal Care Aides	5,404	5,776	372	6.88	446	336	186	968	$28,740	HS or EQ	None	Short-term OJT
39-9031	Fitness Trainers and Aerobics Instructors	1,119	1,173	54	4.83	75	114	27	216	$52,580	HS or EQ	None	Short-term OJT
39-9032	Recreation Workers	687	698	11	1.60	46	70	6	122	$47,420	HS or EQ	None	Short-term OJT
39-9041	Residential Advisors	869	902	33	3.80	59	88	16	163	$30,490	HS or EQ	None	Short-term OJT
39-9099	Personal Care and Service Workers, All Other	282	290	8	2.84	19	22	4	45	$25,190	HS or EQ	None	Short-term OJT
41-0000	Sales and Related Occupations	31,868	32,877	1,009	3.17	1,990	2,584	504	5,078	$31,510			
41-1000	Supervisors of Sales Workers	2,946	3,049	103	3.50	108	194	52	354	N/A			
41-1011	First-Line Supervisors of Retail Sales Workers	2,252	2,331	79	3.51	84	154	40	278	$46,470	HS or EQ	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	694	718	24	3.46	24	40	12	76	$71,670	HS or EQ	Less than 5 years	None
41-2000	Retail Sales Workers	18,696	19,270	574	3.07	1,507	1,628	287	3,422	N/A			
41-2011	Cashiers	10,208	10,485	277	2.71	972	948	138	2,058	$24,800	No formal educ. credential	None	Short-term OJT
41-2021	Counter and Rental Clerks	862	920	58	6.73	47	66	29	142	$24,670	No formal educ. credential	None	Short-term OJT
41-2022	Parts Salespersons	84	81	-3	-3.57	4	6	-2	8	N/A	No formal educ. credential	None	Moderate-term OJT
41-2031	Retail Salespersons	7,542	7,784	242	3.21	485	608	121	1,214	$28,670	No formal educ. credential	None	Short-term OJT
41-3000	Sales Representatives, Services	7,017	7,224	207	2.95	234	568	104	906	N/A			
41-3011	Advertising Sales Agents	856	875	19	2.22	32	75	10	117	$57,770	HS or EQ	None	Moderate-term OJT
41-3021	Insurance Sales Agents	405	416	11	2.72	16	22	6	44	$53,510	HS or EQ	None	Moderate-term OJT
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,212	1,242	30	2.48	32	81	15	128	$57,090	Bachelor's degree	None	Moderate-term OJT
41-3041	Travel Agents	351	349	-2	-0.57	18	21	-1	38	$51,950	HS or EQ	None	Moderate-term OJT
41-3099	Sales Representatives, Services, All Other	4,193	4,342	149	3.55	135	368	74	577	$64,860	HS or EQ	None	Moderate-term OJT
41-4000	Sales Representatives, Wholesale and Manufacturing	1,319	1,371	52	3.94	44	90	26	160	N/A			
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Produ	425	445	20	4.71	14	29	10	53	$78,230	Bachelor's degree	None	Moderate-term OJT
41-4012	Sales Representatives, Wholesale & Manufacturing, Exc. Technical & Scientific F	894	926	32	3.58	30	61	16	107	$68,860	HS or EQ	None	Moderate-term OJT
41-9000	Other Sales and Related Workers	1,890	1,963	73	3.86	96	104	36	236	N/A			
41-9021	Real Estate Brokers	237	247	10	4.22	12	10	5	27	$63,240	HS or EQ	Less than 5 years	None
41-9022	Real Estate Sales Agents	929	961	32	3.44	48	37	16	101	$59,700	HS or EQ	None	Moderate-term OJT
41-9031	Sales Engineers	295	315	20	6.78	7	24	10	41	$100,140	Bachelor's degree	None	Moderate-term OJT
41-9041	Telemarketers	163	163	0	0.00	10	16	0	26	$24,680	No formal educ. credential	None	Short-term OJT
41-9099	Sales and Related Workers, All Other	182	189	7	3.85	10	14	4	28	$46,820	HS or EQ	None	None
43-0000	Office and Administrative Support Occupations	83,510	84,551	1,041	1.25	4,366	4,920	520	9,806	$48,650			
43-1000	Supervisors of Office and Administrative Support Workers	5,053	5,164	111	2.20	198	295	56	549	N/A			
43-1011	First-Line Supervisors of Office and Administrative Support Workers	5,053	5,164	111	2.20	198	295	56	549	$72,580	HS or EQ	Less than 5 years	None
43-2000	Communications Equipment Operators	403	393	-10	-2.48	24	27	-5	46	N/A			
43-2011	Switchboard Operators, Including Answering Service	343	333	-10	-2.92	21	22	-5	38	$40,320	HS or EQ	None	Short-term OJT
43-2021	Telephone Operators	56	56	0	0.00	4	4	0	8	$43,770	HS or EQ	None	Short-term OJT

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2018 - 2020*													
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		Employment Projections				2018-2020, annual average		Net	Total			Work Experience	Typical on-the -job
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education	in a related	training needed to
Soccode	Occupational Title	2018	2020	Numeric	Percent	Exits	Transfers	Emp. Change	2019-2021	Annual Wage**	Needed for Entry	Occupation	attain competency
43-3000	Financial Clerks	6,394	6,513	119	1.86	358	335	60	753	N/A			
43-3011	Bill and Account Collectors	233	240	7	3.00	9	16	4	29	$59,090	HS or EQ	None	Moderate-term OJT
43-3021	Billing and Posting Clerks	1,005	1,046	41	4.08	44	56	20	120	$62,460	HS or EQ	None	Moderate-term OJT
43-3031	Bookkeeping, Accounting, and Auditing Clerks	4,286	4,351	65	1.52	268	208	32	508	$54,660	Some college, no degree	None	Moderate-term OJT
43-3041	Gaming Cage Workers	71	75	4	5.63	4	7	2	13	N/A	HS or EQ	None	Short-term OJT
43-3051	Payroll and Timekeeping Clerks	431	435	4	0.93	18	24	2	44	$62,080	HS or EQ	None	Moderate-term OJT
43-3061	Procurement Clerks	322	319	-3	-0.93	14	21	-2	33	$52,580	HS or EQ	None	Moderate-term OJT
43-4000	Information and Record Clerks	19,338	19,731	393	2.03	1,029	1,370	196	2,595	N/A			
43-4011	Brokerage Clerks	177	181	4	2.26	4	14	2	20	$54,280	HS or EQ	None	Moderate-term OJT
43-4051	Customer Service Representatives	6,529	6,698	169	2.59	338	496	84	918	$43,180	HS or EQ	None	Short-term OJT
43-4061	Eligibility Interviewers, Government Programs	690	695	5	0.72	28	32	2	62	$62,380	HS or EQ	None	Moderate-term OJT
43-4071	File Clerks	521	520	-1	-0.19	32	32	0	64	$45,870	HS or EQ	None	Short-term OJT
43-4081	Hotel, Motel, and Resort Desk Clerks	1,519	1,587	68	4.48	86	154	34	274	$31,120	HS or EQ	None	Short-term OJT
43-4111	Interviewers, Except Eligibility and Loan	322	327	5	1.55	18	20	2	40	$41,740	HS or EQ	None	Short-term OJT
43-4121	Library Assistants, Clerical	149	155	6	4.03	12	9	3	24	N/A	HS or EQ	None	Short-term OJT
43-4151	Order Clerks	79	81	2	2.53	4	5	1	10	$36,120	HS or EQ	None	Short-term OJT
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	995	1,000	5	0.50	42	67	2	111	$52,770	Associate's degree	None	None
43-4171	Receptionists and Information Clerks	4,285	4,407	122	2.85	270	288	61	619	$35,630	HS or EQ	None	Short-term OJT
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	362	373	11	3.04	16	22	6	44	$47,620	HS or EQ	None	Short-term OJT
43-4199	Information and Record Clerks, All Other	3,620	3,613	-7	-0.19	176	226	-4	398	$56,390	HS or EQ	None	Short-term OJT
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	7,890	8,083	193	2.45	348	444	96	888	N/A			
43-5011	Cargo and Freight Agents	97	100	3	3.09	3	5	2	10	N/A	HS or EQ	None	Short-term OJT
43-5021	Couriers and Messengers	616	647	31	5.03	29	28	16	73	$32,140	HS or EQ	None	Short-term OJT
43-5031	Police, Fire, and Ambulance Dispatchers	185	187	2	1.08	6	10	1	17	$66,050	HS or EQ	None	Moderate-term OJT
43-5032	Dispatchers, Except Police, Fire, and Ambulance	1,121	1,117	-4	-0.36	40	60	-2	98	$35,940	HS or EQ	None	Moderate-term OJT
43-5051	Postal Service Clerks	138	138	0	0.00	7	4	0	11	$58,560	HS or EQ	None	Short-term OJT
43-5052	Postal Service Mail Carriers	877	877	0	0.00	34	24	0	58	$59,840	HS or EQ	None	Short-term OJT
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	539	532	-7	-1.30	22	16	-4	34	$57,260	HS or EQ	None	Short-term OJT
43-5061	Production, Planning, and Expediting Clerks	1,135	1,184	49	4.32	40	75	24	139	$57,980	HS or EQ	None	Moderate-term OJT
43-5071	Shipping, Receiving, and Traffic Clerks	677	684	7	1.03	26	40	4	70	$50,180	HS or EQ	None	Short-term OJT
43-5081	Stock Clerks and Order Fillers	2,494	2,606	112	4.49	139	182	56	377	$28,210	HS or EQ	None	Short-term OJT
43-6000	Secretaries and Administrative Assistants	27,396	27,443	47	0.17	1,477	1,436	24	2,937	N/A			
43-6011	Executive Secretaries and Executive Administrative Assistants	5,655	5,549	-106	-1.87	302	294	-53	543	$69,180	HS or EQ	Less than 5 years	None
43-6012	Legal Secretaries	4,266	4,263	-3	-0.07	230	224	-2	452	$86,340	HS or EQ	None	Moderate-term OJT
43-6013	Medical Secretaries	1,639	1,704	65	3.97	90	88	32	210	$42,510	HS or EQ	None	Moderate-term OJT
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	15,836	15,927	91	0.57	856	832	46	1,734	$47,340	HS or EQ	None	Short-term OJT
43-9000	Other Office and Administrative Support Workers	17,036	17,224	188	1.10	931	1,012	94	2,037	N/A			
43-9011	Computer Operators	142	137	-5	-3.52	6	8	-2	12	$57,620	HS or EQ	None	Moderate-term OJT
43-9021	Data Entry Keyers	385	380	-5	-1.30	20	24	-2	42	$40,400	HS or EQ	None	Short-term OJT
43-9022	Word Processors and Typists	308	287	-21	-6.82	19	14	-10	23	$47,410	HS or EQ	None	Short-term OJT
43-9031	Desktop Publishers	116	116	0	0.00	5	8	0	13	$60,030	Associate's degree	None	Short-term OJT
43-9041	Insurance Claims and Policy Processing Clerks	344	355	11	3.20	15	20	6	41	$48,700	HS or EQ	None	Moderate-term OJT
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	1,426	1,396	-30	-2.10	76	79	-15	140	$45,300	HS or EQ	None	Short-term OJT
43-9061	Office Clerks, General	10,233	10,433	200	1.95	606	591	100	1,297	$41,180	HS or EQ	None	Short-term OJT
43-9071	Office Machine Operators, Except Computer	475	468	-7	-1.47	20	31	-4	47	$41,310	HS or EQ	None	Short-term OJT
43-9081	Proofreaders and Copy Markers	101	105	4	3.96	8	7	2	17	$47,560	Bachelor's degree	None	None
43-9111	Statistical Assistants	438	462	24	5.48	21	34	12	67	$49,460	Bachelor's degree	None	None
43-9199	Office and Administrative Support Workers, All Other	3,068	3,085	17	0.55	134	196	8	338	$42,380	HS or EQ	None	Short-term OJT
45-0000	Farming, Fishing, and Forestry Occupations	432	435	3	0.69	16	50	2	68	$42,400			
45-2000	Agricultural Workers	366	368	2	0.55	14	42	1	57	N/A			
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	64	65	1	1.56	2	8	0	10	$33,660	No formal educ. credential	None	Short-term OJT

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2018 - 2020*

		Employment Projections				Occupational Separations, 2018-2020, annual average		Net	Annual Total		Worker Characteristics		
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education	Work Experience in a related	Typical on-the -job training needed to
Soccode	Occupational Title	2018	2020	Numeric	Percent	Exits	Transfers	Emp. Change	2019-2021	Annual Wage**	Needed for Entry	Occupation	attain competency
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	118	118	0	0.00	4	14	0	18	N/A	No formal educ. credential	None	Short-term OJT
45-2099	Agricultural Workers, All Other	182	183	1	0.55	6	21	0	27	N/A	No formal educ. credential	None	Short-term OJT
45-4000	Forest, Conservation, and Logging Workers	56	57	1	1.79	2	6	0	8	N/A			
45-4011	Forest and Conservation Workers	56	57	1	1.79	2	6	0	8	$25,820	HS or EQ	None	Moderate-term OJT
47-0000	Construction and Extraction Occupations	15,056	15,622	566	3.76	544	1,030	283	1,857	$52,450			
47-1000	Supervisors of Construction and Extraction Workers	1,180	1,224	44	3.73	38	76	22	136	N/A			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,180	1,224	44	3.73	38	76	22	136	$74,570	HS or EQ	5 years or more	None
47-2000	Construction Trades Workers	12,073	12,524	451	3.74	426	798	226	1,450	N/A			
47-2021	Brickmasons and Blockmasons	246	251	5	2.03	7	14	2	23	$61,520	HS or EQ	None	Apprenticeship
47-2031	Carpenters	2,154	2,229	75	3.48	76	122	38	236	$50,760	HS or EQ	None	Apprenticeship
47-2051	Cement Masons and Concrete Finishers	517	539	22	4.26	20	36	11	67	$50,850	No formal educ. credential	None	Moderate-term OJT
47-2061	Construction Laborers	4,233	4,405	172	4.06	150	284	86	520	$38,110	No formal educ. credential	None	Short-term OJT
47-2071	Paving, Surfacing, and Tamping Equipment Operators	137	141	4	2.92	4	10	2	16	$51,530	HS or EQ	None	Moderate-term OJT
47-2073	Operating Engineers and Other Construction Equipment Operators	492	512	20	4.07	19	35	10	64	$62,170	HS or EQ	None	Moderate-term OJT
47-2081	Drywall and Ceiling Tile Installers	78	80	2	2.56	2	4	1	7	$46,220	No formal educ. credential	None	Moderate-term OJT
47-2111	Electricians	1,349	1,393	44	3.26	48	102	22	172	$77,420	HS or EQ	None	Apprenticeship
47-2121	Glaziers	350	360	10	2.86	13	27	5	45	$48,470	HS or EQ	None	Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	93	95	2	2.15	2	7	1	10	N/A	No formal educ. credential	None	Short-term OJT
47-2132	Insulation Workers, Mechanical	56	58	2	3.57	2	4	1	7	N/A	HS or EQ	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	550	562	12	2.18	19	28	6	53	$53,520	No formal educ. credential	None	Moderate-term OJT
47-2151	Pipelayers	55	58	3	5.45	2	4	2	8	$64,880	No formal educ. credential	None	Short-term OJT
47-2152	Plumbers, Pipefitters, and Steamfitters	1,161	1,214	53	4.57	43	80	26	149	$70,160	HS or EQ	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	79	82	3	3.80	3	4	2	9	$56,360	No formal educ. credential	None	Long-term OJT
47-2171	Reinforcing Iron and Rebar Workers	117	122	5	4.27	3	9	2	14	N/A	HS or EQ	None	Apprenticeship
47-2181	Roofers	66	68	2	3.03	2	4	1	7	N/A	No formal educ. credential	None	Moderate-term OJT
47-2221	Structural Iron and Steel Workers	150	156	6	4.00	4	12	3	19	$56,260	HS or EQ	None	Apprenticeship
47-3000	Helpers, Construction Trades	1,148	1,203	55	4.79	50	114	28	192	N/A			
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	60	61	1	1.67	2	6	0	8	$36,520	No formal educ. credential	None	Short-term OJT
47-3012	Helpers--Carpenters	135	140	5	3.70	6	14	2	22	$38,340	No formal educ. credential	None	Short-term OJT
47-3013	Helpers--Electricians	156	162	6	3.85	6	16	3	25	$43,500	HS or EQ	None	Short-term OJT
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	683	720	37	5.42	30	68	18	116	$34,820	HS or EQ	None	Short-term OJT
47-3019	Helpers, Construction Trades, All Other	101	107	6	5.94	4	10	3	17	$32,430	No formal educ. credential	None	Short-term OJT
47-4000	Other Construction and Related Workers	646	662	16	2.48	30	42	8	80	N/A			
47-4011	Construction and Building Inspectors	340	349	9	2.65	17	20	4	41	$80,470	HS or EQ	5 years or more	Moderate-term OJT
47-4041	Hazardous Materials Removal Workers	120	122	2	1.67	5	10	1	16	$36,470	HS or EQ	None	Moderate-term OJT
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	52	55	3	5.77	2	4	2	8	N/A	HS or EQ	None	Moderate-term OJT
47-4099	Construction and Related Workers, All Other	57	58	1	1.75	2	4	0	6	N/A	HS or EQ	None	Moderate-term OJT
49-0000	Installation, Maintenance, and Repair Occupations	10,108	10,500	392	3.88	384	600	196	1,180	$55,990			
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	694	718	24	3.46	23	36	12	71	N/A			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	694	718	24	3.46	23	36	12	71	$77,750	HS or EQ	Less than 5 years	None
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	798	805	7	0.88	24	52	4	80	N/A			
49-2011	Computer, Automated Teller, and Office Machine Repairers	120	122	2	1.67	4	8	1	13	$36,460	Some college, no degree	None	Short-term OJT
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	228	234	6	2.63	8	16	3	27	$71,070	Postsecondary non-degree	None	Moderate-term OJT
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	200	199	-1	-0.50	5	12	0	17	$79,240	Postsecondary non-degree	None	Long-term OJT
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	143	141	-2	-1.40	4	8	-1	11	$90,200	Postsecondary non-degree	Less than 5 years	Moderate-term OJT
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	1,056	1,078	22	2.08	34	68	11	113	N/A			
49-3021	Automotive Body and Related Repairers	85	88	3	3.53	3	5	2	10	$29,730	HS or EQ	None	Long-term OJT
49-3023	Automotive Service Technicians and Mechanics	489	494	5	1.02	16	30	2	48	N/A	Postsecondary non-degree	None	Short-term OJT
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	200	207	7	3.50	6	12	4	22	$58,960	HS or EQ	None	Long-term OJT
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	74	76	2	2.70	2	4	1	7	$57,730	HS or EQ	None	Long-term OJT
49-3091	Bicycle Repairers	174	180	6	3.45	6	15	3	24	$32,590	HS or EQ	None	Moderate-term OJT

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2018 - 2020*													
						Occupational Separations,			Annual		Worker Characteristics		
		Employment Projections				2018-2020, annual average		Net	Total			Work Experience	Typical on-the -job
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education	in a related	training needed to
Soccode	Occupational Title	2018	2020	Numeric	Percent	Exits	Transfers	Emp. Change	2019-2021	Annual Wage**	Needed for Entry	Occupation	attain competency
49-9000	Other Installation, Maintenance, and Repair Occupations	7,560	7,899	339	4.48	302	444	170	916	N/A			
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	366	380	14	3.83	10	25	7	42	$67,450	Postsecondary non-degree	None	Long-term OJT
49-9041	Industrial Machinery Mechanics	179	177	-2	-1.12	6	9	-1	14	$68,570	HS or EQ	None	Long-term OJT
49-9043	Maintenance Workers, Machinery	107	111	4	3.74	4	6	2	12	N/A	HS or EQ	None	Long-term OJT
49-9051	Electrical Power-Line Installers and Repairers	117	116	-1	-0.85	3	6	0	9	N/A	HS or EQ	None	Long-term OJT
49-9052	Telecommunications Line Installers and Repairers	284	286	2	0.70	7	21	1	29	N/A	HS or EQ	None	Long-term OJT
49-9062	Medical Equipment Repairers	66	68	2	3.03	2	3	1	6	N/A	Associate's degree	None	Moderate-term OJT
49-9071	Maintenance and Repair Workers, General	5,649	5,946	297	5.26	236	322	148	706	$47,670	HS or EQ	None	Moderate-term OJT
49-9098	Helpers--Installation, Maintenance, and Repair Workers	341	350	9	2.64	16	26	4	46	N/A	HS or EQ	None	Short-term OJT
49-9099	Installation, Maintenance, and Repair Workers, All Other	280	292	12	4.29	10	16	6	32	$57,580	HS or EQ	None	Moderate-term OJT
51-0000	Production Occupations	5,393	5,484	91	1.69	266	360	46	672	$52,060			
51-1000	Supervisors of Production Workers	249	252	3	1.20	8	16	2	26	N/A			
51-1011	First-Line Supervisors of Production and Operating Workers	249	252	3	1.20	8	16	2	26	$82,090	HS or EQ	Less than 5 years	None
51-2000	Assemblers and Fabricators	96	97	1	1.04	4	7	0	11	N/A			
51-3000	Food Processing Workers	512	536	24	4.69	32	40	12	84	N/A			
51-3011	Bakers	386	406	20	5.18	26	30	10	66	$29,280	No formal educ. credential	None	Long-term OJT
51-3099	Food Processing Workers, All Other	56	58	2	3.57	2	4	1	7	N/A	No formal educ. credential	None	Moderate-term OJT
51-4000	Metal Workers and Plastic Workers	106	107	1	0.94	4	8	0	12	N/A			
51-5100	Printing Workers	1,379	1,374	-5	-0.36	66	90	-2	154	N/A			
51-5111	Prepress Technicians and Workers	311	309	-2	-0.64	13	24	-1	36	N/A	Postsecondary non-degree	None	None
51-5112	Printing Press Operators	736	735	-1	-0.14	28	48	0	76	$89,590	HS or EQ	None	Moderate-term OJT
51-5113	Print Binding and Finishing Workers	332	330	-2	-0.60	25	18	-1	42	$78,600	HS or EQ	None	Moderate-term OJT
51-6000	Textile, Apparel, and Furnishings Workers	1,244	1,260	16	1.29	92	69	8	169	N/A			
51-6011	Laundry and Dry-Cleaning Workers	552	563	11	1.99	38	38	6	82	$35,460	No formal educ. credential	None	Short-term OJT
51-6021	Pressers, Textile, Garment, and Related Materials	113	113	0	0.00	7	8	0	15	$24,700	No formal educ. credential	None	Short-term OJT
51-6031	Sewing Machine Operators	84	86	2	2.38	5	4	1	10	N/A	No formal educ. credential	None	Short-term OJT
51-6052	Tailors, Dressmakers, and Custom Sewers	439	440	1	0.23	39	16	0	55	$45,790	No formal educ. credential	None	Moderate-term OJT
51-7000	Woodworkers	61	61	0	0.00	3	4	0	7	N/A			
51-7011	Cabinetmakers and Bench Carpenters	52	52	0	0.00	2	3	0	5	$43,970	HS or EQ	None	Moderate-term OJT
51-8000	Plant and System Operators	1,192	1,233	41	3.44	36	84	20	140	N/A			
51-8021	Stationary Engineers and Boiler Operators	869	915	46	5.29	28	63	23	114	$77,030	HS or EQ	None	Long-term OJT
51-8031	Water and Wastewater Treatment Plant and System Operators	137	133	-4	-2.92	4	7	-2	9	N/A	HS or EQ	None	Long-term OJT
51-8099	Plant and System Operators, All Other	178	177	-1	-0.56	4	14	0	18	N/A	HS or EQ	None	Moderate-term OJT
51-9000	Other Production Occupations	554	564	10	1.81	21	43	5	69	N/A			
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	74	74	0	0.00	3	6	0	9	$56,260	HS or EQ	None	Moderate-term OJT
51-9081	Dental Laboratory Technicians	56	56	0	0.00	2	4	0	6	$72,640	HS or EQ	None	Moderate-term OJT
51-9151	Photographic Process Workers and Processing Machine Operators	54	52	-2	-3.70	2	6	-1	7	$24,360	HS or EQ	None	Short-term OJT
51-9199	Production Workers, All Other	156	161	5	3.21	6	12	2	20	$40,920	HS or EQ	None	Moderate-term OJT
53-0000	Transportation and Material Moving Occupations	17,224	17,643	419	2.43	990	1,134	210	2,334	$38,280			
53-1000	Supervisors of Transportation and Material Moving Workers	722	746	24	3.32	24	50	12	86	N/A			
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	52	54	2	3.85	2	4	1	7	N/A	HS or EQ	Less than 5 years	None
53-1031	1st-Line Supervisors of Transportation & Material-Moving Machine & Vehicle O	667	689	22	3.30	22	46	11	79	N/A	HS or EQ	Less than 5 years	None
53-2000	Air Transportation Workers	1,022	1,020	-2	-0.20	32	61	-1	92	N/A			
53-2021	Air Traffic Controllers	965	963	-2	-0.21	31	57	-1	87	$23,560	Associate's degree	None	Long-term OJT
53-3000	Motor Vehicle Operators	7,982	8,218	236	2.96	535	406	118	1,059	N/A			
53-3021	Bus Drivers, Transit and Intercity	1,244	1,305	61	4.90	100	52	30	182	$36,290	HS or EQ	None	Moderate-term OJT
53-3022	Bus Drivers, School or Special Client	2,162	2,237	75	3.47	172	90	38	300	$48,610	HS or EQ	None	Short-term OJT
53-3031	Driver/Sales Workers	590	606	16	2.71	26	38	8	72	$26,630	HS or EQ	None	Short-term OJT
53-3032	Heavy and Tractor-Trailer Truck Drivers	473	491	18	3.81	20	30	9	59	$49,340	Postsecondary non-degree	None	Short-term OJT
53-3033	Light Truck or Delivery Services Drivers	1,867	1,935	68	3.64	80	120	34	234	$25,740	HS or EQ	None	Short-term OJT
53-3041	Taxi Drivers and Chauffeurs	966	964	-2	-0.21	58	39	-1	96	$34,130	No formal educ. credential	None	Short-term OJT

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2018 - 2020*													
						Occupational Separations,			Annual		Worker Characteristics		
		Employment Projections				2018-2020, annual average		Net	Total			Work Experience	Typical on-the -job
		Employment		Change 2018-2020		Labor Force	Occupational	Occupational	Openings	Median	Typical Education	in a related	training needed to
Soccode	Occupational Title	2018	2020	Numeric	Percent	Exits	Transfers	Emp. Change	2019-2021	Annual Wage**	Needed for Entry	Occupation	attain competency
53-3099	Motor Vehicle Operators, All Other	674	674	0	0.00	78	37	0	115	$54,120	No formal educ. credential	None	Short-term OJT
53-6000	Other Transportation Workers	4,017	4,068	51	1.27	228	327	26	581	N/A			
53-6021	Parking Lot Attendants	2,797	2,838	41	1.47	165	248	20	433	$25,160	No formal educ. credential	None	Short-term OJT
53-6031	Automotive and Watercraft Service Attendants	64	64	0	0.00	4	7	0	11	$25,160	No formal educ. credential	None	Short-term OJT
53-6041	Traffic Technicians	157	157	0	0.00	7	11	0	18	N/A	HS or EQ	None	Moderate-term OJT
53-6051	Transportation Inspectors	248	247	-1	-0.40	8	14	0	22	$104,290	HS or EQ	None	Moderate-term OJT
53-6061	Transportation Attendants, Except Flight Attendants	266	278	12	4.51	23	13	6	42	$54,200	HS or EQ	None	Short-term OJT
53-6099	Transportation Workers, All Other	485	484	-1	-0.21	21	34	0	55	$39,980	HS or EQ	None	Short-term OJT
53-7000	Material Moving Workers	3,455	3,565	110	3.18	170	288	55	513	N/A			
53-7021	Crane and Tower Operators	53	55	2	3.77	2	4	1	7	$67,980	HS or EQ	Less than 5 years	Moderate-term OJT
53-7032	Excavating and Loading Machine and Dragline Operators	64	67	3	4.69	2	4	2	8	$55,810	HS or EQ	Less than 5 years	Moderate-term OJT
53-7051	Industrial Truck and Tractor Operators	90	93	3	3.33	3	7	2	12	$50,580	No formal educ. credential	None	Short-term OJT
53-7061	Cleaners of Vehicles and Equipment	231	244	13	5.63	12	20	6	38	$42,950	No formal educ. credential	None	Short-term OJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,279	2,368	89	3.91	115	198	44	357	$39,180	No formal educ. credential	None	Short-term OJT
53-7064	Packers and Packagers, Hand	54	57	3	5.56	4	4	2	10	$25,780	No formal educ. credential	None	Short-term OJT
53-7081	Refuse and Recyclable Material Collectors	676	673	-3	-0.44	30	49	-2	77	$46,010	No formal educ. credential	None	Short-term OJT

Notes: *District of Columbia Short-Term Industry and Occupational Projections, 2018 - 2020

**Bureau of Labor Statistics, Occupational Employment Statistics (OES), May 2017 OES survey

N/A - not available

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