

DISTRICT OF COLUMBIA LONG-TERM OCCUPATIONAL PROJECTIONS, 2014 and projected 2024*

Soccode	Occupational Title	Employment		Change 2014-2024		Average Annual Openings			Annual	Typical Education	Work Experience	Typical OJT needed to
		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
00-0000	Total, All Occupations	764,759	810,802	46,043	6.02	5,070	16,380	21,450	\$66,166			
11-0000	Management Occupations	102,146	104,803	2,657	2.60	318	2,399	2,717	\$130,445			
11-1000	Top Executives	31,705	32,695	990	3.12	106	772	878	N/A			
11-1011	Chief Executives	3,678	3,605	-73	-1.98	0	62	62	\$185,604	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	28,006	29,069	1,063	3.80	106	709	815	\$134,669	Bachelor's degree	5 years or more	None
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	6,336	6,783	447	7.05	45	191	236	N/A			
11-2011	Advertising and Promotions Managers	219	230	11	5.02	1	7	8	\$89,543	Bachelor's degree	Less than 5 years	None
11-2021	Marketing Managers	1,239	1,353	114	9.20	11	29	40	\$145,891	Bachelor's degree	5 years or more	None
11-2022	Sales Managers	1,164	1,260	96	8.25	10	28	38	\$111,443	Bachelor's degree	Less than 5 years	None
11-2031	Public Relations and Fundraising Managers	3,714	3,940	226	6.09	23	127	150	\$140,355	Bachelor's degree	5 years or more	None
11-3000	Operations Specialties Managers	19,849	20,149	300	1.51	55	420	475	N/A			
11-3011	Administrative Services Managers	1,877	1,982	105	5.59	10	35	45	\$98,128	Bachelor's degree	Less than 5 years	None
11-3021	Computer and Information Systems Managers	4,358	4,581	223	5.12	22	51	73	\$151,488	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	8,669	8,821	152	1.75	15	205	220	\$139,511	Bachelor's degree	5 years or more	None
11-3051	Industrial Production Managers	40	42	2	5.00	0	1	1	\$116,925	Bachelor's degree	5 years or more	None
11-3061	Purchasing Managers	2,243	1,990	-253	-11.28	0	53	53	\$128,791	Bachelor's degree	5 years or more	None
11-3071	Transportation, Storage, and Distribution Managers	531	532	1	0.19	0	12	12	\$129,272	HS or EQ	5 years or more	None
11-3111	Compensation and Benefits Managers	124	128	4	3.23	0	4	4	\$121,525	Bachelor's degree	5 years or more	None
11-3121	Human Resources Managers	1,739	1,783	44	2.53	4	51	55	\$144,359	Bachelor's degree	5 years or more	None
11-3131	Training and Development Managers	268	290	22	8.21	2	8	10	\$120,329	Bachelor's degree	5 years or more	None
11-9000	Other Management Occupations	44,256	45,176	920	2.08	112	1,017	1,129	N/A			
11-9021	Construction Managers	1,099	1,173	74	6.73	7	15	22	\$98,440	Bachelor's degree	None	Moderate-term OJT
11-9031	Education Administrators, Preschool and Childcare Center/Program	316	341	25	7.91	2	9	11	\$60,338	Bachelor's degree	Less than 5 years	None
11-9032	Education Administrators, Elementary and Secondary School	1,398	1,475	77	5.51	8	41	49	\$94,333	Master's degree	5 years or more	None
11-9033	Education Administrators, Postsecondary	2,172	2,363	191	8.79	19	63	82	\$85,469	Master's degree	Less than 5 years	None
11-9039	Education Administrators, All Other	837	853	16	1.91	2	24	26	\$93,859	Bachelor's degree	Less than 5 years	None
11-9041	Architectural and Engineering Managers	2,271	2,272	1	0.04	0	70	70	\$139,520	Bachelor's degree	5 years or more	None
11-9051	Food Service Managers	1,250	1,345	95	7.60	10	25	35	\$60,189	HS or EQ	Less than 5 years	None
11-9061	Funeral Service Managers	13	14	1	7.69	0	0	0	\$99,833	Associate's degree	Less than 5 years	None
11-9081	Lodging Managers	138	150	12	8.70	1	3	4	\$64,756	HS or EQ	Less than 5 years	None
11-9111	Medical and Health Services Managers	1,855	2,059	204	11.00	20	47	67	\$121,630	Bachelor's degree	Less than 5 years	None
11-9121	Natural Sciences Managers	1,289	1,270	-19	-1.47	0	27	27	\$130,739	Bachelor's degree	5 years or more	None
11-9131	Postmasters and Mail Superintendents	3	3	0	0.00	0	0	0	\$108,524	HS or EQ	Less than 5 years	Moderate-term OJT
11-9141	Property, Real Estate, and Community Association Managers	1,857	2,168	311	16.75	31	32	63	\$73,386	HS or EQ	Less than 5 years	None
11-9151	Social and Community Service Managers	1,208	1,309	101	8.36	10	32	42	\$90,352	Bachelor's degree	5 years or more	None
11-9161	Emergency Management Directors	141	148	7	4.96	1	2	3	\$138,870	Bachelor's degree	5 years or more	None
11-9199	Managers, All Other	28,406	28,230	-176	-0.62	0	627	627	\$128,792	Bachelor's degree	Less than 5 years	None
13-0000	Business and Financial Operations Occupations	119,477	124,564	5,087	4.26	555	1,966	2,521	\$89,125			
13-1000	Business Operations Specialists	93,712	97,053	3,341	3.57	378	1,378	1,756	N/A			
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	140	136	-4	-2.86	0	4	4	\$75,777	Bachelor's degree	Less than 5 years	None
13-1021	Buyers and Purchasing Agents, Farm Products	50	57	7	14.00	1	1	2	\$71,081	Bachelor's degree	None	Long-term OJT
13-1022	Wholesale and Retail Buyers, Except Farm Products	131	145	14	10.69	1	4	5	\$50,571	Bachelor's degree	None	Long-term OJT
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	3,299	2,978	-321	-9.73	0	91	91	\$90,831	Bachelor's degree	None	Long-term OJT
13-1031	Claims Adjusters, Examiners, and Investigators	721	705	-16	-2.22	0	18	18	\$78,916	HS or EQ	None	Long-term OJT
13-1032	Insurance Appraisers, Auto Damage	0	0	0	0.00	0	0	0	N/A	Postsec. non-degree	None	Moderate-term OJT
13-1041	Compliance Officers	4,706	4,918	212	4.50	21	66	87	\$84,012	Bachelor's degree	None	Moderate-term OJT
13-1051	Cost Estimators	415	456	41	9.88	4	12	16	\$72,931	Bachelor's degree	None	None
13-1071	Human Resources Specialists	7,732	7,659	-73	-0.94	0	188	188	\$90,820	Bachelor's degree	None	None
13-1075	Labor Relations Specialists	364	335	-29	-7.97	0	9	9	\$82,701	Bachelor's degree	Less than 5 years	None
13-1081	Logisticians	1,569	1,650	81	5.16	8	22	30	\$101,312	Bachelor's degree	None	None
13-1111	Management Analysts	25,312	26,885	1,573	6.21	157	351	508	\$94,527	Bachelor's degree	Less than 5 years	None

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		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
13-1121	Meeting, Convention, and Event Planners	2,401	2,633	232	9.66	23	29	52	\$63,918	Bachelor's degree	None	None
13-1131	Fundraisers	1,658	1,794	136	8.20	14	23	37	\$68,015	Bachelor's degree	None	None
13-1141	Compensation, Benefits, and Job Analysis Specialists	513	518	5	0.97	0	12	12	\$76,459	Bachelor's degree	Less than 5 years	None
13-1151	Training and Development Specialists	1,246	1,337	91	7.30	9	30	39	\$74,581	Bachelor's degree	Less than 5 years	None
13-1161	Market Research Analysts and Marketing Specialists	5,478	6,553	1,075	19.62	108	65	173	\$68,261	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	37,977	38,294	317	0.83	32	452	484	\$90,829	Bachelor's degree	None	None
13-2000	Financial Specialists	25,765	27,511	1,746	6.78	176	588	764	N/A			
13-2011	Accountants and Auditors	12,530	13,314	784	6.26	78	334	412	\$87,081	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	288	321	33	11.46	3	5	8	\$92,874	Bachelor's degree	None	Long-term OJT
13-2031	Budget Analysts	2,303	2,340	37	1.61	4	57	61	\$93,857	Bachelor's degree	None	None
13-2041	Credit Analysts	198	203	5	2.53	0	9	9	\$109,267	Bachelor's degree	None	None
13-2051	Financial Analysts	3,438	3,941	503	14.63	50	71	121	\$86,394	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	833	1,128	295	35.41	30	21	51	\$92,103	Bachelor's degree	None	Long-term OJT
13-2053	Insurance Underwriters	41	35	-6	-14.63	0	1	1	\$75,135	Bachelor's degree	None	Moderate-term OJT
13-2061	Financial Examiners	686	741	55	8.02	6	17	23	\$154,834	Bachelor's degree	None	Moderate-term OJT
13-2071	Credit Counselors	98	108	10	10.20	1	2	3	\$51,300	Bachelor's degree	None	Moderate-term OJT
13-2072	Loan Officers	778	808	30	3.86	3	13	16	\$86,737	Bachelor's degree	None	Moderate-term OJT
13-2081	Tax Examiners and Collectors, and Revenue Agents	332	319	-13	-3.92	0	14	14	\$73,767	Bachelor's degree	None	Moderate-term OJT
13-2082	Tax Preparers	153	159	6	3.92	1	4	5	\$47,021	HS or EQ	None	Moderate-term OJT
13-2099	Financial Specialists, All Other	4,087	4,094	7	0.17	1	42	43	\$91,646	Bachelor's degree	None	Moderate-term OJT
15-0000	Computer and Mathematical Occupations	43,284	48,670	5,386	12.44	550	607	1,157	\$100,054			
15-1100	Computer Occupations	39,953	44,602	4,649	11.64	476	545	1,021	N/A			
15-1111	Computer and Information Research Scientists	695	764	69	9.93	7	9	16	\$120,325	Doctoral or prof. degree	None	None
15-1121	Computer Systems Analysts	4,030	5,066	1,036	25.71	104	52	156	\$98,708	Bachelor's degree	None	None
15-1122	Information Security Analysts	981	1,216	235	23.96	24	13	37	\$111,553	Bachelor's degree	Less than 5 years	None
15-1131	Computer Programmers	1,148	1,039	-109	-9.49	0	28	28	\$91,395	Bachelor's degree	None	None
15-1132	Software Developers, Applications	2,688	3,263	575	21.39	58	38	96	\$100,368	Bachelor's degree	None	None
15-1133	Software Developers, Systems Software	2,687	3,210	523	19.46	52	38	90	\$106,347	Bachelor's degree	None	None
15-1134	Web Developers	1,481	1,851	370	24.98	37	19	56	\$79,898	Associate's degree	None	None
15-1141	Database Administrators	1,096	1,242	146	13.32	15	24	39	\$103,629	Bachelor's degree	Less than 5 years	None
15-1142	Network and Computer Systems Administrators	3,155	3,685	530	16.80	53	41	94	\$90,426	Bachelor's degree	None	None
15-1143	Computer Network Architects	1,453	1,718	265	18.24	26	19	45	\$101,097	Bachelor's degree	5 years or more	None
15-1151	Computer User Support Specialists	4,532	5,236	704	15.53	70	58	128	\$60,338	Some college, no degree	None	None
15-1152	Computer Network Support Specialists	855	971	116	13.57	12	11	23	\$86,258	Associate's degree	None	None
15-1199	Computer Occupations, All Other	15,152	15,341	189	1.25	19	195	214	\$115,035	Bachelor's degree	None	None
15-2000	Mathematical Science Occupations	3,331	4,068	737	22.13	74	62	136	N/A			
15-2011	Actuaries	247	246	-1	-0.40	0	7	7	\$118,078	Bachelor's degree	None	Long-term OJT
15-2021	Mathematicians	112	137	25	22.32	2	2	4	\$118,131	Master's degree	None	None
15-2031	Operations Research Analysts	1,299	1,601	302	23.25	30	23	53	\$110,790	Bachelor's degree	None	None
15-2041	Statisticians	1,587	2,001	414	26.09	41	28	69	\$105,960	Master's degree	None	None
15-2091	Mathematical Technicians	3	2	-1	-33.33	0	0	0	\$33,766	Bachelor's degree	None	None
15-2099	Mathematical Science Occupations, All Other	83	81	-2	-2.41	0	2	2	\$43,074	Bachelor's degree	None	None
17-0000	Architecture and Engineering Occupations	13,149	13,449	300	2.28	45	298	343	\$99,918			
17-1000	Architects, Surveyors, and Cartographers	2,450	2,565	115	4.69	12	42	54	N/A			
17-1011	Architects, Except Landscape and Naval	2,304	2,418	114	4.95	11	38	49	\$73,972	Bachelor's degree	None	Internship/residency
17-1012	Landscape Architects	59	60	1	1.69	0	1	1	\$89,306	Bachelor's degree	None	Internship/residency
17-1021	Cartographers and Photogrammetrists	26	30	4	15.38	0	1	1	\$82,966	Bachelor's degree	None	None
17-1022	Surveyors	61	57	-4	-6.56	0	2	2	\$87,564	Bachelor's degree	Less than 5 years	None
17-2000	Engineers	9,317	9,541	224	2.40	31	227	258	N/A			
17-2011	Aerospace Engineers	448	455	7	1.56	1	13	14	\$132,351	Bachelor's degree	None	None
17-2021	Agricultural Engineers	3	3	0	0.00	0	0	0	\$143,083	Bachelor's degree	None	None

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17-2031	Biomedical Engineers	40	49	9	22.50	1	1	2	\$69,834	Bachelor's degree	None	None
17-2041	Chemical Engineers	128	124	-4	-3.12	0	4	4	\$110,899	Bachelor's degree	None	None
17-2051	Civil Engineers	1,085	1,193	108	9.95	11	32	43	\$91,729	Bachelor's degree	None	None
17-2061	Computer Hardware Engineers	414	468	54	13.04	5	8	13	\$111,557	Bachelor's degree	None	None
17-2071	Electrical Engineers	440	451	11	2.50	1	10	11	\$105,016	Bachelor's degree	None	None
17-2072	Electronics Engineers, Except Computer	746	736	-10	-1.34	0	16	16	\$118,102	Bachelor's degree	None	None
17-2081	Environmental Engineers	354	375	21	5.93	2	10	12	\$99,296	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	208	216	8	3.85	1	6	7	\$99,459	Bachelor's degree	None	None
17-2112	Industrial Engineers	219	233	14	6.39	1	6	7	\$81,879	Bachelor's degree	None	None
17-2121	Marine Engineers and Naval Architects	439	460	21	4.78	2	12	14	\$127,862	Bachelor's degree	None	None
17-2131	Materials Engineers	184	187	3	1.63	0	6	6	\$112,789	Bachelor's degree	None	None
17-2141	Mechanical Engineers	766	820	54	7.05	5	24	29	\$96,353	Bachelor's degree	None	None
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	6	6	0	0.00	0	0	0	\$115,045	Bachelor's degree	None	None
17-2161	Nuclear Engineers	130	129	-1	-0.77	0	3	3	\$156,477	Bachelor's degree	None	None
17-2171	Petroleum Engineers	23	22	-1	-4.35	0	1	1	\$134,150	Bachelor's degree	None	None
17-2199	Engineers, All Other	3,684	3,614	-70	-1.90	0	74	74	\$132,361	Bachelor's degree	None	None
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	1,382	1,343	-39	-2.82	2	29	31	N/A			
17-3011	Architectural and Civil Drafters	331	317	-14	-4.23	0	4	4	\$48,778	Associate's degree	None	None
17-3012	Electrical and Electronics Drafters	25	27	2	8.00	0	0	0	\$82,305	Associate's degree	None	None
17-3013	Mechanical Drafters	11	11	0	0.00	0	0	0	\$61,457	Associate's degree	None	None
17-3019	Drafters, All Other	1	1	0	0.00	0	0	0	\$35,556	Associate's degree	None	None
17-3021	Aerospace Engineering and Operations Technicians	2	2	0	0.00	0	0	0	\$56,891	Associate's degree	None	None
17-3022	Civil Engineering Technicians	177	186	9	5.08	1	4	5	\$69,949	Associate's degree	None	None
17-3023	Electrical and Electronics Engineering Technicians	347	352	5	1.44	0	8	8	\$79,348	Associate's degree	None	None
17-3024	Electro-Mechanical Technicians	11	11	0	0.00	0	0	0	\$41,698	Associate's degree	None	None
17-3025	Environmental Engineering Technicians	6	7	1	16.67	0	0	0	\$44,317	Associate's degree	None	None
17-3026	Industrial Engineering Technicians	0	0	0	0.00	0	0	0	\$71,500	Associate's degree	None	None
17-3027	Mechanical Engineering Technicians	62	67	5	8.06	0	2	2	\$125,380	Associate's degree	None	None
17-3029	Engineering Technicians, Except Drafters, All Other	407	360	-47	-11.55	0	10	10	\$89,117	Associate's degree	None	None
17-3031	Surveying and Mapping Technicians	2	2	0	0.00	0	0	0	\$51,646	HS or EQ	None	Moderate-term OJT
19-0000	Life, Physical, and Social Science Occupations	26,896	27,626	730	2.71	88	670	758	\$93,857			
19-1000	Life Scientists	1,911	2,030	119	6.23	13	60	73	N/A			
19-1011	Animal Scientists	2	2	0	0.00	0	0	0	\$131,611	Bachelor's degree	None	None
19-1012	Food Scientists and Technologists	32	32	0	0.00	0	1	1	\$91,021	Bachelor's degree	None	None
19-1013	Soil and Plant Scientists	77	76	-1	-1.30	0	3	3	\$78,589	Bachelor's degree	None	None
19-1021	Biochemists and Biophysicists	52	55	3	5.77	0	1	1	\$55,918	Doctoral or prof. degree	None	None
19-1022	Microbiologists	66	66	0	0.00	0	2	2	\$114,470	Bachelor's degree	None	None
19-1023	Zoologists and Wildlife Biologists	115	113	-2	-1.74	0	3	3	\$99,916	Bachelor's degree	None	None
19-1029	Biological Scientists, All Other	364	358	-6	-1.65	0	10	10	\$93,297	Bachelor's degree	None	None
19-1031	Conservation Scientists	161	174	13	8.07	1	7	8	\$76,657	Bachelor's degree	None	None
19-1032	Foresters	27	28	1	3.70	0	1	1	\$77,492	Bachelor's degree	None	None
19-1041	Epidemiologists	63	70	7	11.11	1	2	3	\$92,794	Master's degree	None	None
19-1042	Medical Scientists, Except Epidemiologists	935	1,037	102	10.91	10	29	39	\$85,365	Doctoral or prof. degree	None	None
19-1099	Life Scientists, All Other	17	19	2	11.76	0	0	0	\$118,058	Bachelor's degree	None	None
19-2000	Physical Scientists	4,069	4,065	-4	-0.10	4	96	100	N/A			
19-2011	Astronomers	99	97	-2	-2.02	0	2	2	\$128,774	Doctoral or prof. degree	None	None
19-2012	Physicists	589	578	-11	-1.87	0	11	11	\$118,310	Doctoral or prof. degree	None	None
19-2021	Atmospheric and Space Scientists	68	74	6	8.82	1	1	2	\$90,767	Bachelor's degree	None	None
19-2031	Chemists	378	375	-3	-0.79	0	8	8	\$118,072	Bachelor's degree	None	None
19-2032	Materials Scientists	12	12	0	0.00	0	0	0	\$158,685	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including Health	1,976	2,004	28	1.42	3	61	64	\$107,324	Bachelor's degree	None	None

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19-2042	Geoscientists, Except Hydrologists and Geographers	81	80	-1	-1.23	0	2	2	\$118,068	Bachelor's degree	None	None
19-2043	Hydrologists	57	60	3	5.26	0	2	2	\$88,162	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	809	785	-24	-2.97	0	8	8	\$132,351	Bachelor's degree	None	None
19-3000	Social Scientists and Related Workers	16,340	16,655	315	1.93	41	328	369	N/A			
19-3011	Economists	8,436	8,699	263	3.12	26	226	252	\$112,602	Master's degree	None	None
19-3022	Survey Researchers	545	566	21	3.85	2	6	8	\$73,296	Master's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	436	473	37	8.49	4	9	13	\$86,709	Doctoral or prof. degree	None	Internship/residency
19-3032	Industrial-Organizational Psychologists	12	13	1	8.33	0	0	0	\$92,997	Master's degree	None	Internship/residency
19-3039	Psychologists, All Other	261	280	19	7.28	2	6	8	\$96,876	Master's degree	None	Internship/residency
19-3041	Sociologists	159	168	9	5.66	1	2	3	\$79,581	Master's degree	None	None
19-3051	Urban and Regional Planners	239	253	14	5.86	1	4	5	\$93,851	Master's degree	None	None
19-3091	Anthropologists and Archeologists	81	81	0	0.00	0	1	1	\$90,829	Master's degree	None	None
19-3092	Geographers	17	16	-1	-5.88	0	0	0	\$99,908	Bachelor's degree	None	None
19-3093	Historians	307	303	-4	-1.30	0	4	4	\$99,908	Master's degree	None	None
19-3094	Political Scientists	1,538	1,588	50	3.25	5	18	23	\$110,894	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	4,309	4,215	-94	-2.18	0	51	51	\$94,186	Bachelor's degree	None	None
19-4000	Life, Physical, and Social Science Technicians	4,576	4,876	300	6.56	30	186	216	N/A			
19-4011	Agricultural and Food Science Technicians	6	6	0	0.00	0	0	0	\$35,111	Associate's degree	None	Moderate-term OJT
19-4021	Biological Technicians	331	350	19	5.74	2	9	11	\$45,930	Bachelor's degree	None	None
19-4031	Chemical Technicians	85	90	5	5.88	0	2	2	\$42,143	Associate's degree	None	Moderate-term OJT
19-4041	Geological and Petroleum Technicians	0	0	0	0.00	0	0	0	N/A	Associate's degree	None	Moderate-term OJT
19-4051	Nuclear Technicians	2	2	0	0.00	0	0	0	\$65,000	Associate's degree	None	Moderate-term OJT
19-4061	Social Science Research Assistants	3,535	3,772	237	6.70	24	148	172	\$43,758	Bachelor's degree	None	None
19-4091	Environmental Science and Protection Technicians, Including Health	82	81	-1	-1.22	0	3	3	\$78,455	Associate's degree	None	None
19-4092	Forensic Science Technicians	173	211	38	21.97	4	7	11	\$81,145	Bachelor's degree	None	Moderate-term OJT
19-4093	Forest and Conservation Technicians	14	15	1	7.14	0	1	1	\$48,649	Associate's degree	None	None
19-4099	Life, Physical, and Social Science Technicians, All Other	348	349	1	0.29	0	15	15	\$56,321	Associate's degree	None	None
21-0000	Community and Social Service Occupations	11,880	13,130	1,250	10.52	125	255	380	\$51,607			
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	11,314	12,538	1,224	10.82	122	242	364	N/A			
21-1011	Substance Abuse and Behavioral Disorder Counselors	167	204	37	22.16	4	4	8	\$45,521	Bachelor's degree	None	None
21-1012	Educational, Guidance, School, and Vocational Counselors	1,448	1,578	130	8.98	13	30	43	\$58,884	Master's degree	None	None
21-1013	Marriage and Family Therapists	10	11	1	10.00	0	0	0	\$57,698	Master's degree	None	Internship/residency
21-1014	Mental Health Counselors	1,074	1,267	193	17.97	19	22	41	\$42,501	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	709	813	104	14.67	10	15	25	\$38,723	Master's degree	None	None
21-1019	Counselors, All Other	105	115	10	9.52	1	2	3	\$44,665	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	2,067	2,161	94	4.55	9	50	59	\$58,862	Bachelor's degree	None	None
21-1022	Healthcare Social Workers	619	710	91	14.70	9	15	24	\$63,913	Master's degree	None	None
21-1023	Mental Health and Substance Abuse Social Workers	365	466	101	27.67	10	9	19	\$47,514	Bachelor's degree	None	None
21-1029	Social Workers, All Other	350	357	7	2.00	1	8	9	\$74,974	Bachelor's degree	None	None
21-1091	Health Educators	848	914	66	7.78	7	17	24	\$83,709	Bachelor's degree	None	None
21-1092	Probation Officers and Correctional Treatment Specialists	81	84	3	3.70	0	2	2	\$68,173	Bachelor's degree	None	Short-term OJT
21-1093	Social and Human Service Assistants	2,015	2,227	212	10.52	21	40	61	\$36,366	HS or EQ	None	Short-term OJT
21-1094	Community Health Workers	850	975	125	14.71	12	17	29	\$60,892	HS or EQ	None	Short-term OJT
21-1099	Community and Social Service Specialists, All Other	606	656	50	8.25	5	12	17	\$44,762	Master's degree	None	None
21-2000	Religious Workers	566	592	26	4.59	3	13	16	N/A			
21-2011	Clergy	278	289	11	3.96	1	6	7	\$61,941	Bachelor's degree	None	Moderate-term OJT
21-2021	Directors, Religious Activities and Education	241	254	13	5.39	1	6	7	\$53,940	Bachelor's degree	Less than 5 years	None
21-2099	Religious Workers, All Other	47	49	2	4.26	0	1	1	\$70,842	Bachelor's degree	None	None
23-0000	Legal Occupations	47,806	50,846	3,040	6.36	306	761	1,067	\$147,287			
23-1000	Lawyers, Judges, and Related Workers	39,422	41,966	2,544	6.45	256	576	832	N/A			
23-1011	Lawyers	38,920	41,481	2,561	6.58	256	569	825	\$158,687	Doctoral or prof. degree	None	None

DISTRICT OF COLUMBIA LONG-TERM OCCUPATIONAL PROJECTIONS, 2014 and projected 2024*

Soccode	Occupational Title	Employment		Change 2014-2024		Average Annual Openings			Annual	Typical Education	Work Experience	Typical OJT needed to
		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
23-1012	Judicial Law Clerks	16	16	0	0.00	0	0	0	\$48,131	Doctoral or prof. degree	None	None
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	404	385	-19	-4.70	0	6	6	\$136,438	Doctoral or prof. degree	5 years or more	Short-term OJT
23-1022	Arbitrators, Mediators, and Conciliators	82	84	2	2.44	0	1	1	\$89,669	Bachelor's degree	Less than 5 years	Moderate-term OJT
23-2000	Legal Support Workers	8,384	8,880	496	5.92	50	184	234	N/A			
23-2011	Paralegals and Legal Assistants	6,404	6,884	480	7.50	48	141	189	\$75,122	Associate's degree	None	None
23-2091	Court Reporters	81	92	11	13.58	1	2	3	\$47,315	Postsec. non-degree	None	Short-term OJT
23-2093	Title Examiners, Abstractors, and Searchers	76	71	-5	-6.58	0	2	2	\$72,351	HS or EQ	None	Short-term OJT
23-2099	Legal Support Workers, All Other	1,823	1,833	10	0.55	1	40	41	\$60,036	HS or EQ	None	Short-term OJT
25-0000	Education, Training, and Library Occupations	37,021	39,920	2,899	7.83	291	756	1,047	\$62,404			
25-1000	Postsecondary Teachers	13,321	14,880	1,559	11.70	156	236	392	N/A			
25-1011	Business Teachers, Postsecondary	1,671	1,819	148	8.86	15	30	45	\$86,320	Doctoral or prof. degree	None	None
25-1021	Computer Science Teachers, Postsecondary	179	195	16	8.94	2	3	5	\$85,230	Doctoral or prof. degree	None	None
25-1022	Mathematical Science Teachers, Postsecondary	242	276	34	14.05	3	4	7	\$76,118	Doctoral or prof. degree	None	None
25-1031	Architecture Teachers, Postsecondary	306	333	27	8.82	3	5	8	\$60,664	Doctoral or prof. degree	None	None
25-1032	Engineering Teachers, Postsecondary	177	199	22	12.43	2	3	5	\$93,779	Doctoral or prof. degree	None	None
25-1041	Agricultural Sciences Teachers, Postsecondary	0	0	0	0.00	0	0	0	N/A	Doctoral or prof. degree	None	None
25-1042	Biological Science Teachers, Postsecondary	271	308	37	13.65	4	5	9	\$76,840	Doctoral or prof. degree	None	None
25-1043	Forestry and Conservation Science Teachers, Postsecondary	0	0	0	0.00	0	0	0	N/A	Doctoral or prof. degree	None	None
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	1	1	0	0.00	0	0	0	\$208,000	Doctoral or prof. degree	None	None
25-1052	Chemistry Teachers, Postsecondary	122	139	17	13.93	2	2	4	\$90,390	Doctoral or prof. degree	None	None
25-1053	Environmental Science Teachers, Postsecondary	25	27	2	8.00	0	0	0	\$74,741	Doctoral or prof. degree	None	None
25-1054	Physics Teachers, Postsecondary	134	153	19	14.18	2	2	4	\$89,402	Doctoral or prof. degree	None	None
25-1061	Anthropology and Archeology Teachers, Postsecondary	52	56	4	7.69	0	1	1	\$82,656	Doctoral or prof. degree	None	None
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	429	490	61	14.22	6	8	14	\$82,755	Doctoral or prof. degree	None	None
25-1063	Economics Teachers, Postsecondary	303	329	26	8.58	3	5	8	\$97,719	Doctoral or prof. degree	None	None
25-1064	Geography Teachers, Postsecondary	22	24	2	9.09	0	0	0	\$92,869	Doctoral or prof. degree	None	None
25-1065	Political Science Teachers, Postsecondary	1,353	1,470	117	8.65	12	24	36	\$85,389	Doctoral or prof. degree	None	None
25-1066	Psychology Teachers, Postsecondary	228	261	33	14.47	3	4	7	\$76,229	Doctoral or prof. degree	None	None
25-1067	Sociology Teachers, Postsecondary	113	129	16	14.16	2	2	4	\$78,139	Doctoral or prof. degree	None	None
25-1069	Social Sciences Teachers, Postsecondary, All Other	60	69	9	15.00	1	1	2	\$86,114	Doctoral or prof. degree	None	None
25-1071	Health Specialties Teachers, Postsecondary	601	713	112	18.64	11	11	22	\$124,679	Doctoral or prof. degree	Less than 5 years	None
25-1072	Nursing Instructors and Teachers, Postsecondary	337	403	66	19.58	7	6	13	\$71,337	Master's degree	Less than 5 years	None
25-1081	Education Teachers, Postsecondary	379	413	34	8.97	3	7	10	\$56,958	Doctoral or prof. degree	Less than 5 years	None
25-1082	Library Science Teachers, Postsecondary	42	44	2	4.76	0	1	1	\$66,357	Doctoral or prof. degree	None	None
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	82	99	17	20.73	2	2	4	\$66,422	Doctoral or prof. degree	None	None
25-1112	Law Teachers, Postsecondary	1,249	1,515	266	21.30	27	22	49	\$95,907	Doctoral or prof. degree	None	None
25-1113	Social Work Teachers, Postsecondary	24	27	3	12.50	0	0	0	\$77,659	Doctoral or prof. degree	None	None
25-1121	Art, Drama, and Music Teachers, Postsecondary	629	696	67	10.65	7	11	18	\$74,024	Master's degree	None	None
25-1122	Communications Teachers, Postsecondary	301	325	24	7.97	2	5	7	\$73,684	Doctoral or prof. degree	None	None
25-1123	English Language and Literature Teachers, Postsecondary	430	467	37	8.60	4	8	12	\$65,164	Doctoral or prof. degree	None	None
25-1124	Foreign Language and Literature Teachers, Postsecondary	866	983	117	13.51	12	15	27	\$58,605	Doctoral or prof. degree	None	None
25-1125	History Teachers, Postsecondary	201	218	17	8.46	2	4	6	\$83,928	Doctoral or prof. degree	None	None
25-1126	Philosophy and Religion Teachers, Postsecondary	298	331	33	11.07	3	5	8	\$78,239	Doctoral or prof. degree	None	None
25-1191	Graduate Teaching Assistants	590	622	32	5.42	3	10	13	\$40,687	Bachelor's degree	None	None
25-1192	Home Economics Teachers, Postsecondary	26	31	5	19.23	0	0	0	\$59,990	Master's degree	None	None
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	83	90	7	8.43	1	2	3	\$57,616	Doctoral or prof. degree	None	None
25-1194	Vocational Education Teachers, Postsecondary	135	151	16	11.85	2	2	4	\$64,273	Bachelor's degree	Less than 5 years	None
25-1199	Postsecondary Teachers, All Other	1,360	1,474	114	8.38	11	24	35	\$60,173	Doctoral or prof. degree	None	None
25-2000	Preschool, Primary, Secondary, and Special Education School Teachers	10,632	11,211	579	5.45	58	240	298	N/A			
25-2011	Preschool Teachers, Except Special Education	852	927	75	8.80	8	25	33	\$39,946	Associate's degree	None	None
25-2012	Kindergarten Teachers, Except Special Education	106	112	6	5.66	1	3	4	\$52,013	Bachelor's degree	None	Internship/residency

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Soccode	Occupational Title	Employment		Change 2014-2024		Average Annual Openings			Annual	Typical Education	Work Experience	Typical OJT needed to
		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
25-2021	Elementary School Teachers, Except Special Education	3,353	3,528	175	5.22	18	74	92	\$67,012	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Except Special and Career/Technical Education	1,849	1,947	98	5.30	10	41	51	\$68,309	Bachelor's degree	None	Internship/residency
25-2023	Career/Technical Education Teachers, Middle School	51	54	3	5.88	0	1	1	\$55,090	Bachelor's degree	Less than 5 years	Internship/residency
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	2,499	2,626	127	5.08	13	59	72	\$60,056	Bachelor's degree	None	Internship/residency
25-2032	Career/Technical Education Teachers, Secondary School	30	31	1	3.33	0	1	1	\$75,364	Bachelor's degree	Less than 5 years	Internship/residency
25-2051	Special Education Teachers, Preschool	3	3	0	0.00	0	0	0	\$44,772	Bachelor's degree	None	Internship/residency
25-2052	Special Education Teachers, Kindergarten and Elementary School	1,006	1,057	51	5.07	5	19	24	\$59,037	Bachelor's degree	None	Internship/residency
25-2053	Special Education Teachers, Middle School	254	267	13	5.12	1	5	6	\$60,553	Bachelor's degree	None	Internship/residency
25-2054	Special Education Teachers, Secondary School	505	531	26	5.15	3	10	13	\$64,256	Bachelor's degree	None	Internship/residency
25-2059	Special Education Teachers, All Other	124	128	4	3.23	0	2	2	\$62,352	Bachelor's degree	None	Internship/residency
25-3000	Other Teachers and Instructors	3,462	3,802	340	9.82	34	65	99	N/A			
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	181	192	11	6.08	1	3	4	\$48,296	Bachelor's degree	None	Internship/residency
25-3021	Self-Enrichment Education Teachers	503	619	116	23.06	12	10	22	\$52,297	HS or EQ	Less than 5 years	None
25-3098	Substitute Teachers	235	250	15	6.38	2	4	6	\$26,445	Bachelor's degree	None	Internship/residency
25-3099	Teachers and Instructors, All Other	2,543	2,741	198	7.79	20	48	68	N/A	Bachelor's degree	None	Internship/residency
25-4000	Librarians, Curators, and Archivists	3,065	3,083	18	0.59	3	90	93	N/A			
25-4011	Archivists	202	202	0	0.00	0	6	6	\$76,396	Master's degree	None	None
25-4012	Curators	181	183	2	1.10	0	6	6	\$82,831	Master's degree	None	None
25-4013	Museum Technicians and Conservators	570	560	-10	-1.75	0	18	18	\$65,846	Bachelor's degree	None	None
25-4021	Librarians	1,380	1,389	9	0.65	1	26	27	\$80,055	Master's degree	None	None
25-4031	Library Technicians	732	749	17	2.32	2	35	37	\$47,090	Postsec. non-degree	None	None
25-9000	Other Education, Training, and Library Occupations	6,541	6,944	403	6.16	40	124	164	N/A			
25-9011	Audio-Visual and Multimedia Collections Specialists	61	66	5	8.20	0	1	1	\$59,734	Bachelor's degree	Less than 5 years	None
25-9031	Instructional Coordinators	1,867	1,941	74	3.96	7	18	25	\$84,032	Master's degree	5 years or more	None
25-9041	Teacher Assistants	4,261	4,578	317	7.44	32	102	134	\$31,579	Some college, no degree	None	None
25-9099	Education, Training, and Library Workers, All Other	352	359	7	1.99	1	3	4	\$52,034	Bachelor's degree	None	None
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	36,350	38,174	1,824	5.02	199	724	923	\$77,030			
27-1000	Art and Design Workers	5,464	5,580	116	2.12	17	118	135	N/A			
27-1011	Art Directors	354	367	13	3.67	1	7	8	\$95,922	Bachelor's degree	5 years or more	None
27-1012	Craft Artists	15	18	3	20.00	0	0	0	\$38,948	No formal educ. credential	None	Long-term OJT
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	19	20	1	5.26	0	0	0	\$59,784	Bachelor's degree	None	Long-term OJT
27-1014	Multimedia Artists and Animators	119	131	12	10.08	1	2	3	\$73,570	Bachelor's degree	None	Moderate-term OJT
27-1019	Artists and Related Workers, All Other	1,914	1,871	-43	-2.25	0	36	36	\$89,122	No formal educ. credential	None	Long-term OJT
27-1021	Commercial and Industrial Designers	4	5	1	25.00	0	0	0	\$92,581	Bachelor's degree	None	None
27-1022	Fashion Designers	50	55	5	10.00	0	1	1	\$52,974	Bachelor's degree	None	None
27-1023	Floral Designers	109	106	-3	-2.75	0	3	3	\$28,860	HS or EQ	None	Moderate-term OJT
27-1024	Graphic Designers	1,574	1,640	66	4.19	7	37	44	\$73,701	Bachelor's degree	None	None
27-1025	Interior Designers	898	961	63	7.02	6	21	27	\$66,990	Bachelor's degree	None	None
27-1026	Merchandise Displayers and Window Trimmers	113	109	-4	-3.54	0	3	3	\$48,691	HS or EQ	None	Moderate-term OJT
27-1027	Set and Exhibit Designers	239	240	1	0.42	0	6	6	\$70,094	Bachelor's degree	None	None
27-1029	Designers, All Other	56	57	1	1.79	0	1	1	\$62,831	Bachelor's degree	None	None
27-2000	Entertainers and Performers, Sports and Related Workers	3,227	3,367	140	4.34	14	105	119	N/A			
27-2011	Actors	270	284	14	5.19	1	11	12	N/A	Some college, no degree	None	Long-term OJT
27-2012	Producers and Directors	1,800	1,865	65	3.61	6	58	64	\$82,876	Bachelor's degree	Less than 5 years	None
27-2021	Athletes and Sports Competitors	11	13	2	18.18	0	0	0	\$114,197	No formal educ. credential	None	Long-term OJT
27-2022	Coaches and Scouts	452	471	19	4.20	2	15	17	\$47,443	Bachelor's degree	None	None
27-2031	Dancers	95	98	3	3.16	0	3	3	N/A	No formal educ. credential	None	Long-term OJT
27-2032	Choreographers	47	52	5	10.64	0	2	2	\$46,293	HS or EQ	5 years or more	Long-term OJT
27-2041	Music Directors and Composers	113	119	6	5.31	1	3	4	\$52,676	Bachelor's degree	Less than 5 years	None
27-2042	Musicians and Singers	293	308	15	5.12	2	8	10	N/A	No formal educ. credential	None	Long-term OJT
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	146	157	11	7.53	1	5	6	N/A	No formal educ. credential	None	Short-term OJT

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Soccode	Occupational Title	Employment		Change 2014-2024		Average Annual Openings			Annual	Typical Education Needed for Entry	Work Experience in a related occp.	Typical OJT needed to attain competency
		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
27-3000	Media and Communication Workers	24,809	26,231	1,422	5.73	152	454	606	N/A			
27-3011	Radio and Television Announcers	447	364	-83	-18.57	0	13	13	\$55,056	Bachelor's degree	None	Short-term OJT
27-3012	Public Address System and Other Announcers	1	1	0	0.00	0	0	0	N/A	HS or EQ	None	Short-term OJT
27-3021	Broadcast News Analysts	94	84	-10	-10.64	0	3	3	\$67,503	Bachelor's degree	None	None
27-3022	Reporters and Correspondents	2,612	2,950	338	12.94	34	84	118	\$71,369	Bachelor's degree	None	None
27-3031	Public Relations Specialists	15,311	16,090	779	5.09	78	182	260	\$80,731	Bachelor's degree	None	None
27-3041	Editors	3,097	3,265	168	5.42	17	112	129	\$74,617	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	813	927	114	14.02	11	19	30	\$84,687	Bachelor's degree	Less than 5 years	Short-term OJT
27-3043	Writers and Authors	1,923	1,946	23	1.20	2	32	34	\$90,046	Bachelor's degree	None	Moderate-term OJT
27-3091	Interpreters and Translators	274	358	84	30.66	8	4	12	\$85,440	Bachelor's degree	None	Short-term OJT
27-3099	Media and Communication Workers, All Other	237	246	9	3.80	1	4	5	\$66,161	HS or EQ	None	Short-term OJT
27-4000	Media and Communication Equipment Workers	2,850	2,996	146	5.12	17	48	65	N/A			
27-4011	Audio and Video Equipment Technicians	643	748	105	16.33	10	12	22	\$52,551	Postsec. non-degree	None	Short-term OJT
27-4012	Broadcast Technicians	532	527	-5	-0.94	0	10	10	\$81,889	Associate's degree	None	Short-term OJT
27-4013	Radio Operators	96	94	-2	-2.08	0	2	2	\$55,519	HS or EQ	None	Short-term OJT
27-4014	Sound Engineering Technicians	101	104	3	2.97	0	2	2	\$51,268	Postsec. non-degree	None	Short-term OJT
27-4021	Photographers	243	256	13	5.35	1	6	7	\$54,225	HS or EQ	None	Long-term OJT
27-4031	Camera Operators, Television, Video, and Motion Picture	606	616	10	1.65	1	6	7	\$88,275	Bachelor's degree	None	None
27-4032	Film and Video Editors	194	231	37	19.07	4	2	6	\$74,944	Bachelor's degree	None	None
27-4099	Media and Communication Equipment Workers, All Other	435	420	-15	-3.45	0	8	8	\$99,918	HS or EQ	None	Short-term OJT
29-0000	Healthcare Practitioners and Technical Occupations	31,442	34,897	3,455	10.99	349	717	1,066	\$75,685			
29-1000	Health Diagnosing and Treating Practitioners	22,403	24,842	2,439	10.89	245	541	786	N/A			
29-1011	Chiropractors	29	34	5	17.24	0	0	0	\$59,265	Doctoral or prof. degree	None	None
29-1021	Dentists, General	241	287	46	19.09	5	5	10	\$91,454	Doctoral or prof. degree	None	None
29-1022	Oral and Maxillofacial Surgeons	13	13	0	0.00	0	0	0	\$35,556	Doctoral or prof. degree	None	Internship/residency
29-1029	Dentists, All Other Specialists	48	47	-1	-2.08	0	1	1	\$170,103	Doctoral or prof. degree	None	Internship/residency
29-1031	Dietitians and Nutritionists	287	332	45	15.68	4	2	6	\$59,534	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	65	79	14	21.54	1	2	3	\$113,971	Doctoral or prof. degree	None	None
29-1051	Pharmacists	720	758	38	5.28	4	17	21	\$116,853	Doctoral or prof. degree	None	None
29-1061	Anesthesiologists	248	273	25	10.08	2	7	9	\$194,563	Doctoral or prof. degree	None	Internship/residency
29-1062	Family and General Practitioners	649	642	-7	-1.08	0	18	18	\$183,802	Doctoral or prof. degree	None	Internship/residency
29-1063	Internists, General	1,337	1,386	49	3.66	5	36	41	\$62,958	Doctoral or prof. degree	None	Internship/residency
29-1064	Obstetricians and Gynecologists	136	147	11	8.09	1	4	5	\$133,242	Doctoral or prof. degree	None	Internship/residency
29-1065	Pediatricians, General	319	318	-1	-0.31	0	9	9	\$76,334	Doctoral or prof. degree	None	Internship/residency
29-1066	Psychiatrists	245	262	17	6.94	2	7	9	\$139,822	Doctoral or prof. degree	None	Internship/residency
29-1067	Surgeons	442	488	46	10.41	5	12	17	\$178,756	Doctoral or prof. degree	None	Internship/residency
29-1069	Physicians and Surgeons, All Other	2,292	2,464	172	7.50	17	62	79	\$175,977	Doctoral or prof. degree	None	Internship/residency
29-1071	Physician Assistants	465	582	117	25.16	12	10	22	\$103,625	Master's degree	None	None
29-1081	Podiatrists	45	52	7	15.56	1	1	2	\$125,203	Doctoral or prof. degree	None	Internship/residency
29-1122	Occupational Therapists	520	676	156	30.00	16	10	26	\$86,024	Master's degree	None	None
29-1123	Physical Therapists	702	859	157	22.36	16	19	35	\$82,830	Doctoral or prof. degree	None	None
29-1124	Radiation Therapists	122	131	9	7.38	1	3	4	\$75,865	Associate's degree	None	None
29-1125	Recreational Therapists	190	237	47	24.74	5	4	9	\$51,605	Bachelor's degree	None	None
29-1126	Respiratory Therapists	410	440	30	7.32	3	10	13	\$67,163	Associate's degree	None	None
29-1127	Speech-Language Pathologists	410	478	68	16.59	7	10	17	\$86,776	Master's degree	None	None
29-1128	Exercise Physiologists	20	22	2	10.00	0	0	0	\$61,777	Bachelor's degree	None	None
29-1129	Therapists, All Other	10	10	0	0.00	0	0	0	\$58,223	Bachelor's degree	None	None
29-1131	Veterinarians	88	91	3	3.41	0	1	1	\$97,143	Doctoral or prof. degree	None	None
29-1141	Registered Nurses	10,942	12,145	1,203	10.99	120	258	378	\$79,578	Bachelor's degree	None	None
29-1151	Nurse Anesthetists	114	121	7	6.14	1	3	4	\$158,619	Master's degree	None	None
29-1161	Nurse Midwives	19	20	1	5.26	0	0	0	\$105,432	Master's degree	None	None

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Soccode	Occupational Title	Employment		Change 2014-2024		Average Annual Openings			Annual	Typical Education	Work Experience	Typical OJT needed to
		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
29-1171	Nurse Practitioners	530	671	141	26.60	14	12	26	\$100,779	Master's degree	None	None
29-1181	Audiologists	73	84	11	15.07	1	2	3	\$93,474	Doctoral or prof. degree	None	None
29-1199	Health Diagnosing and Treating Practitioners, All Other	672	693	21	3.12	2	16	18	\$115,027	Master's degree	None	None
29-2000	Health Technologists and Technicians	8,393	9,366	973	11.59	100	163	263	N/A			
29-2011	Medical and Clinical Laboratory Technologists	737	788	51	6.92	5	18	23	\$69,432	Bachelor's degree	None	None
29-2012	Medical and Clinical Laboratory Technicians	498	559	61	12.25	6	12	18	\$40,226	Associate's degree	None	None
29-2021	Dental Hygienists	449	533	84	18.71	8	7	15	\$105,552	Associate's degree	None	None
29-2031	Cardiovascular Technologists and Technicians	159	189	30	18.87	3	3	6	\$73,890	Associate's degree	None	None
29-2032	Diagnostic Medical Sonographers	160	207	47	29.38	5	3	8	\$89,107	Associate's degree	None	None
29-2033	Nuclear Medicine Technologists	65	68	3	4.62	0	1	1	\$77,872	Associate's degree	None	None
29-2034	Radiologic Technologists	544	561	17	3.12	2	10	12	\$75,386	Associate's degree	None	None
29-2035	Magnetic Resonance Imaging Technologists	82	84	2	2.44	0	2	2	\$86,478	Associate's degree	Less than 5 years	None
29-2041	Emergency Medical Technicians and Paramedics	1,205	1,268	63	5.23	6	20	26	\$59,788	Postsec. non-degree	None	None
29-2051	Dietetic Technicians	24	30	6	25.00	1	0	1	\$36,274	Associate's degree	None	None
29-2052	Pharmacy Technicians	815	891	76	9.33	8	8	16	\$33,455	HS or EQ	None	Moderate-term OJT
29-2053	Psychiatric Technicians	123	133	10	8.13	1	1	2	\$35,177	Postsec. non-degree	Less than 5 years	Short-term OJT
29-2054	Respiratory Therapy Technicians	134	110	-24	-17.91	0	1	1	\$71,809	Associate's degree	None	None
29-2055	Surgical Technologists	288	308	20	6.94	2	3	5	\$56,677	Postsec. non-degree	None	None
29-2056	Veterinary Technologists and Technicians	48	54	6	12.50	1	0	1	\$32,831	Associate's degree	None	None
29-2057	Ophthalmic Medical Technicians	27	33	6	22.22	1	0	1	\$37,162	Postsec. non-degree	None	None
29-2061	Licensed Practical and Licensed Vocational Nurses	1,701	1,978	277	16.28	28	48	76	\$52,102	Postsec. non-degree	None	None
29-2071	Medical Records and Health Information Technicians	617	718	101	16.37	10	14	24	\$48,626	Postsec. non-degree	None	None
29-2081	Opticians, Dispensing	236	275	39	16.53	4	6	10	\$39,324	HS or EQ	None	Long-term OJT
29-2091	Orthotists and Prosthetists	26	29	3	11.54	0	0	0	\$58,190	Master's degree	None	Internship/residency
29-2099	Health Technologists and Technicians, All Other	455	550	95	20.88	10	4	14	\$42,528	HS or EQ	None	None
29-9000	Other Healthcare Practitioners and Technical Occupations	646	689	43	6.66	4	13	17	N/A			
29-9011	Occupational Health and Safety Specialists	367	373	6	1.63	1	7	8	\$86,080	Bachelor's degree	None	None
29-9012	Occupational Health and Safety Technicians	40	44	4	10.00	0	1	1	\$88,871	HS or EQ	None	Moderate-term OJT
29-9091	Athletic Trainers	100	117	17	17.00	2	2	4	\$53,221	Bachelor's degree	None	None
29-9092	Genetic Counselors	10	11	1	10.00	0	0	0	\$63,421	Master's degree	None	None
29-9099	Healthcare Practitioners and Technical Workers, All Other	129	144	15	11.63	2	3	5	\$74,512	Postsec. non-degree	None	None
31-0000	Healthcare Support Occupations	12,867	16,501	3,634	28.24	364	288	652	\$29,273			
31-1000	Nursing, Psychiatric, and Home Health Aides	9,320	12,377	3,057	32.80	306	210	516	N/A			
31-1011	Home Health Aides	5,429	7,992	2,563	47.21	256	123	379	\$26,203	No formal educ. credential	None	Short-term OJT
31-1013	Psychiatric Aides	124	145	21	16.94	2	3	5	\$27,516	HS or EQ	None	Short-term OJT
31-1014	Nursing Assistants	3,537	3,994	457	12.92	46	80	126	\$31,730	Postsec. non-degree	None	None
31-1015	Orderlies	230	246	16	6.96	2	5	7	\$29,081	HS or EQ	None	Short-term OJT
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	352	405	53	15.06	5	10	15	N/A			
31-2011	Occupational Therapy Assistants	33	40	7	21.21	1	1	2	\$59,722	Associate's degree	None	None
31-2012	Occupational Therapy Aides	72	84	12	16.67	1	2	3	\$40,392	HS or EQ	None	Short-term OJT
31-2021	Physical Therapist Assistants	142	166	24	16.90	2	4	6	\$38,215	Associate's degree	None	None
31-2022	Physical Therapist Aides	105	115	10	9.52	1	3	4	\$31,488	HS or EQ	None	Short-term OJT
31-9000	Other Healthcare Support Occupations	3,195	3,719	524	16.40	53	67	120	N/A			
31-9011	Massage Therapists	119	133	14	11.76	1	1	2	\$23,605	Postsec. non-degree	None	None
31-9091	Dental Assistants	545	641	96	17.61	10	14	24	\$40,583	Postsec. non-degree	None	None
31-9092	Medical Assistants	1,497	1,811	314	20.98	31	31	62	\$38,644	Postsec. non-degree	None	None
31-9093	Medical Equipment Preparers	192	205	13	6.77	1	4	5	\$38,763	HS or EQ	None	Moderate-term OJT
31-9094	Medical Transcriptionists	76	74	-2	-2.63	0	2	2	\$50,546	Postsec. non-degree	None	None
31-9095	Pharmacy Aides	94	99	5	5.32	0	2	2	\$43,019	HS or EQ	None	Short-term OJT
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	150	156	6	4.00	1	3	4	\$36,536	HS or EQ	None	Short-term OJT
31-9097	Phlebotomists	188	228	40	21.28	4	4	8	\$38,720	Postsec. non-degree	None	None

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Soccode	Occupational Title	Employment		Change 2014-2024		Average Annual Openings			Annual	Typical Education	Work Experience	Typical OJT needed to
		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
31-9099	Healthcare Support Workers, All Other	334	372	38	11.38	4	7	11	\$43,072	HS or EQ	None	None
33-0000	Protective Service Occupations	30,056	30,766	710	2.36	93	652	745	\$52,590			
33-1000	Supervisors of Protective Service Workers	2,721	2,733	12	0.44	4	88	92	N/A			
33-1011	First-Line Supervisors of Correctional Officers	40	41	1	2.50	0	1	1	\$75,188	HS or EQ	Less than 5 years	Moderate-term OJT
33-1012	First-Line Supervisors of Police and Detectives	1,432	1,408	-24	-1.68	0	51	51	\$121,106	HS or EQ	Less than 5 years	Moderate-term OJT
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	182	183	1	0.55	0	9	9	\$95,033	Postsec. non-degree	Less than 5 years	Moderate-term OJT
33-1099	First-Line Supervisors of Protective Service Workers, All Other	1,067	1,101	34	3.19	3	27	30	\$48,325	HS or EQ	Less than 5 years	None
33-2000	Fire Fighting and Prevention Workers	663	668	5	0.75	0	19	19	N/A			
33-2011	Firefighters	615	618	3	0.49	0	18	18	\$73,029	Postsec. non-degree	None	Long-term OJT
33-2021	Fire Inspectors and Investigators	48	50	2	4.17	0	1	1	\$82,985	Postsec. non-degree	5 years or more	Moderate-term OJT
33-3000	Law Enforcement Workers	10,459	10,312	-147	-1.41	5	310	315	N/A			
33-3012	Correctional Officers and Jailers	766	812	46	6.01	5	21	26	\$53,380	HS or EQ	None	Moderate-term OJT
33-3021	Detectives and Criminal Investigators	3,461	3,371	-90	-2.60	0	84	84	\$128,649	HS or EQ	Less than 5 years	Moderate-term OJT
33-3041	Parking Enforcement Workers	237	179	-58	-24.47	0	7	7	\$51,089	HS or EQ	None	Short-term OJT
33-3051	Police and Sheriff's Patrol Officers	5,995	5,950	-45	-0.75	0	198	198	\$70,792	HS or EQ	None	Moderate-term OJT
33-3052	Transit and Railroad Police	0	0	0	0.00	0	0	0	\$69,481	HS or EQ	None	Moderate-term OJT
33-9000	Other Protective Service Workers	16,213	17,053	840	5.18	84	236	320	N/A			
33-9011	Animal Control Workers	14	14	0	0.00	0	0	0	\$35,434	HS or EQ	None	Moderate-term OJT
33-9021	Private Detectives and Investigators	552	687	135	24.46	14	14	28	\$97,303	HS or EQ	Less than 5 years	Moderate-term OJT
33-9032	Security Guards	13,838	14,456	618	4.47	62	195	257	\$36,804	HS or EQ	None	Short-term OJT
33-9091	Crossing Guards	190	194	4	2.11	0	3	3	\$32,824	No formal educ. credential	None	Short-term OJT
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	200	212	12	6.00	1	3	4	\$31,733	No formal educ. credential	None	Short-term OJT
33-9093	Transportation Security Screeners	3	3	0	0.00	0	0	0	\$113,691	HS or EQ	None	Short-term OJT
33-9099	Protective Service Workers, All Other	1,416	1,487	71	5.01	7	20	27	\$35,970	HS or EQ	None	Short-term OJT
35-0000	Food Preparation and Serving Related Occupations	52,160	56,247	4,087	7.84	445	1,994	2,439	\$22,953			
35-1000	Supervisors of Food Preparation and Serving Workers	4,729	5,281	552	11.67	55	122	177	N/A			
35-1011	Chefs and Head Cooks	1,274	1,408	134	10.52	13	19	32	\$54,025	HS or EQ	5 years or more	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	3,455	3,873	418	12.10	42	103	145	\$40,932	HS or EQ	Less than 5 years	None
35-2000	Cooks and Food Preparation Workers	12,094	13,159	1,065	8.81	136	324	460	N/A			
35-2011	Cooks, Fast Food	1,957	1,671	-286	-14.61	0	52	52	\$20,007	No formal educ. credential	None	Short-term OJT
35-2012	Cooks, Institution and Cafeteria	1,343	1,509	166	12.36	17	36	53	\$32,535	No formal educ. credential	None	Short-term OJT
35-2013	Cooks, Private Household	16	16	0	0.00	0	0	0	N/A	Postsec. non-degree	Less than 5 years	None
35-2014	Cooks, Restaurant	5,267	6,100	833	15.82	83	139	222	\$26,460	No formal educ. credential	Less than 5 years	Moderate-term OJT
35-2015	Cooks, Short Order	394	385	-9	-2.28	0	10	10	\$25,936	No formal educ. credential	None	Short-term OJT
35-2019	Cooks, All Other	41	43	2	4.88	0	1	1	\$25,404	No formal educ. credential	None	Moderate-term OJT
35-2021	Food Preparation Workers	3,076	3,435	359	11.67	36	86	122	\$22,935	No formal educ. credential	None	Short-term OJT
35-3000	Food and Beverage Serving Workers	24,403	26,477	2,074	8.50	207	982	1,189	N/A			
35-3011	Bartenders	3,414	3,843	429	12.57	43	128	171	\$23,076	No formal educ. credential	None	Short-term OJT
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	8,237	9,325	1,088	13.21	109	266	375	\$21,562	No formal educ. credential	None	Short-term OJT
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,260	1,382	122	9.68	12	76	88	\$22,429	No formal educ. credential	None	Short-term OJT
35-3031	Waiters and Waitresses	9,718	10,112	394	4.05	39	468	507	\$20,000	No formal educ. credential	None	Short-term OJT
35-3041	Food Servers, Nonrestaurant	1,774	1,815	41	2.31	4	44	48	\$26,161	No formal educ. credential	None	Short-term OJT
35-9000	Other Food Preparation and Serving Related Workers	10,934	11,330	396	3.62	46	566	612	N/A			
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	4,105	4,401	296	7.21	30	205	235	\$20,222	No formal educ. credential	None	Short-term OJT
35-9021	Dishwashers	4,157	4,089	-68	-1.64	0	180	180	\$22,947	No formal educ. credential	None	Short-term OJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,282	2,414	132	5.78	13	162	175	\$22,680	No formal educ. credential	None	None
35-9099	Food Preparation and Serving Related Workers, All Other	390	426	36	9.23	4	20	24	\$20,024	No formal educ. credential	None	Short-term OJT
37-0000	Building and Grounds Cleaning and Maintenance Occupations	26,895	28,553	1,658	6.16	166	555	721	\$29,930			
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	1,700	1,802	102	6.00	10	27	37	N/A			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,590	1,686	96	6.04	10	25	35	\$43,061	HS or EQ	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	110	116	6	5.45	1	2	3	\$73,907	HS or EQ	Less than 5 years	None

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		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
37-2000	Building Cleaning and Pest Control Workers	24,220	25,707	1,487	6.14	149	510	659	N/A			
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	16,842	17,864	1,022	6.07	102	334	436	\$28,435	No formal educ. credential	None	Short-term OJT
37-2012	Maids and Housekeeping Cleaners	7,323	7,787	464	6.34	46	175	221	\$34,058	No formal educ. credential	None	Short-term OJT
37-2019	Building Cleaning Workers, All Other	17	17	0	0.00	0	0	0	\$31,892	No formal educ. credential	None	Short-term OJT
37-2021	Pest Control Workers	38	39	1	2.63	0	1	1	\$53,873	HS or EQ	None	Moderate-term OJT
37-3000	Grounds Maintenance Workers	975	1,044	69	7.08	7	18	25	N/A			
37-3011	Landscaping and Groundskeeping Workers	817	867	50	6.12	5	15	20	\$35,092	No formal educ. credential	None	Short-term OJT
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	24	25	1	4.17	0	0	0	\$43,354	HS or EQ	None	Moderate-term OJT
37-3013	Tree Trimmers and Pruners	41	41	0	0.00	0	1	1	\$55,926	HS or EQ	None	Short-term OJT
37-3019	Grounds Maintenance Workers, All Other	93	111	18	19.35	2	2	4	\$30,263	No formal educ. credential	None	Short-term OJT
39-0000	Personal Care and Service Occupations	15,034	17,571	2,537	16.88	254	322	576	\$27,552			
39-1000	Supervisors of Personal Care and Service Workers	395	447	52	13.16	5	8	13	N/A			
39-1012	Slot Supervisors	2	2	0	0.00	0	0	0	\$52,156	HS or EQ	Less than 5 years	None
39-1021	First-Line Supervisors of Personal Service Workers	393	445	52	13.23	5	7	12	\$43,908	HS or EQ	Less than 5 years	None
39-2000	Animal Care and Service Workers	237	274	37	15.61	4	5	9	N/A			
39-2011	Animal Trainers	4	4	0	0.00	0	0	0	\$41,730	HS or EQ	None	Moderate-term OJT
39-2021	Nonfarm Animal Caretakers	233	270	37	15.88	4	5	9	\$27,619	HS or EQ	None	Short-term OJT
39-3000	Entertainment Attendants and Related Workers	725	763	38	5.24	4	40	44	N/A			
39-3019	Gaming Service Workers, All Other	13	13	0	0.00	0	0	0	\$40,191	HS or EQ	None	Short-term OJT
39-3021	Motion Picture Projectionists	0	0	0	0.00	0	0	0	N/A	No formal educ. credential	None	Short-term OJT
39-3031	Ushers, Lobby Attendants, and Ticket Takers	458	483	25	5.46	2	29	31	\$25,295	No formal educ. credential	None	Short-term OJT
39-3091	Amusement and Recreation Attendants	81	87	6	7.41	1	3	4	\$23,712	No formal educ. credential	None	Short-term OJT
39-3092	Costume Attendants	85	88	3	3.53	0	4	4	\$40,262	HS or EQ	None	Short-term OJT
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	30	31	1	3.33	0	1	1	\$24,749	HS or EQ	None	Short-term OJT
39-3099	Entertainment Attendants and Related Workers, All Other	58	61	3	5.17	0	2	2	\$28,185	HS or EQ	None	Short-term OJT
39-4000	Funeral Service Workers	43	46	3	6.98	0	1	1	N/A			
39-4011	Embalmers	1	1	0	0.00	0	0	0	\$73,062	Postsec. non-degree	None	Short-term OJT
39-4021	Funeral Attendants	13	13	0	0.00	0	0	0	\$23,880	HS or EQ	None	Short-term OJT
39-4031	Morticians, Undertakers, and Funeral Directors	29	32	3	10.34	0	1	1	\$62,129	Associate's degree	None	Long-term OJT
39-5000	Personal Appearance Workers	1,727	1,928	201	11.64	20	37	57	N/A			
39-5011	Barbers	178	195	17	9.55	2	3	5	\$48,209	Postsec. non-degree	None	None
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,196	1,340	144	12.04	14	31	45	\$26,761	Postsec. non-degree	None	None
39-5091	Makeup Artists, Theatrical and Performance	53	59	6	11.32	1	0	1	\$104,948	Postsec. non-degree	None	None
39-5092	Manicurists and Pedicurists	50	55	5	10.00	0	0	0	\$31,991	Postsec. non-degree	None	None
39-5093	Shampooers	162	181	19	11.73	2	1	3	\$20,010	No formal educ. credential	None	Short-term OJT
39-5094	Skincare Specialists	88	98	10	11.36	1	1	2	\$33,291	Postsec. non-degree	None	None
39-6000	Baggage Porters, Bellhops, and Concierges	1,439	1,618	179	12.44	18	29	47	N/A			
39-6011	Baggage Porters and Bellhops	574	626	52	9.06	5	12	17	\$27,628	HS or EQ	None	Short-term OJT
39-6012	Concierges	865	992	127	14.68	13	18	31	\$30,857	HS or EQ	None	Moderate-term OJT
39-7000	Tour and Travel Guides	463	479	16	3.46	2	18	20	N/A			
39-7011	Tour Guides and Escorts	413	429	16	3.87	2	16	18	\$34,768	HS or EQ	None	Moderate-term OJT
39-7012	Travel Guides	50	50	0	0.00	0	2	2	\$50,064	HS or EQ	None	Moderate-term OJT
39-9000	Other Personal Care and Service Workers	10,005	12,016	2,011	20.10	201	184	385	N/A			
39-9011	Childcare Workers	3,127	3,295	168	5.37	17	92	109	\$22,890	HS or EQ	None	Short-term OJT
39-9021	Personal Care Aides	4,314	5,895	1,581	36.65	158	35	193	\$25,032	No formal educ. credential	None	Short-term OJT
39-9031	Fitness Trainers and Aerobics Instructors	1,116	1,260	144	12.90	14	21	35	\$36,970	HS or EQ	None	Short-term OJT
39-9032	Recreation Workers	597	627	30	5.03	3	11	14	\$47,099	HS or EQ	None	Short-term OJT
39-9041	Residential Advisors	749	831	82	10.95	8	23	31	\$29,454	HS or EQ	None	Short-term OJT
39-9099	Personal Care and Service Workers, All Other	102	108	6	5.88	1	2	3	\$29,099	HS or EQ	None	Short-term OJT
41-0000	Sales and Related Occupations	27,718	29,836	2,118	7.64	213	840	1,053	\$28,334			
41-1000	Supervisors of Sales Workers	2,283	2,447	164	7.18	16	45	61	N/A			

DISTRICT OF COLUMBIA LONG-TERM OCCUPATIONAL PROJECTIONS, 2014 and projected 2024*

Soccode	Occupational Title	Employment		Change 2014-2024		Average Annual Openings			Annual	Typical Education	Work Experience	Typical OJT needed to
		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
41-1011	First-Line Supervisors of Retail Sales Workers	1,707	1,821	114	6.68	11	38	49	\$43,599	HS or EQ	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	576	626	50	8.68	5	7	12	\$78,320	HS or EQ	Less than 5 years	None
41-2000	Retail Sales Workers	15,808	16,996	1,188	7.52	119	613	732	N/A			
41-2011	Cashiers	8,951	9,409	458	5.12	46	381	427	\$21,941	No formal educ. credential	None	Short-term OJT
41-2021	Counter and Rental Clerks	558	665	107	19.18	11	14	25	\$31,263	No formal educ. credential	None	Short-term OJT
41-2022	Parts Salespersons	26	30	4	15.38	0	1	1	\$29,514	No formal educ. credential	None	Moderate-term OJT
41-2031	Retail Salespersons	6,273	6,892	619	9.87	62	217	279	\$24,797	No formal educ. credential	None	Short-term OJT
41-3000	Sales Representatives, Services	6,185	6,662	477	7.71	48	129	177	N/A			
41-3011	Advertising Sales Agents	696	732	36	5.17	4	21	25	\$56,076	HS or EQ	None	Moderate-term OJT
41-3021	Insurance Sales Agents	503	543	40	7.95	4	13	17	\$47,324	HS or EQ	None	Moderate-term OJT
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,920	2,095	175	9.11	18	33	51	\$73,518	Bachelor's degree	None	Moderate-term OJT
41-3041	Travel Agents	532	533	1	0.19	0	8	8	\$39,071	HS or EQ	None	Moderate-term OJT
41-3099	Sales Representatives, Services, All Other	2,534	2,759	225	8.88	22	54	76	\$55,924	HS or EQ	None	Moderate-term OJT
41-4000	Sales Representatives, Wholesale and Manufacturing	1,635	1,784	149	9.11	15	34	49	N/A			
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	466	502	36	7.73	4	10	14	\$72,015	Bachelor's degree	None	Moderate-term OJT
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Pro	1,169	1,282	113	9.67	11	24	35	\$52,598	HS or EQ	None	Moderate-term OJT
41-9000	Other Sales and Related Workers	1,807	1,947	140	7.75	15	20	35	N/A			
41-9011	Demonstrators and Product Promoters	89	98	9	10.11	1	3	4	\$30,754	HS or EQ	None	Short-term OJT
41-9012	Models	6	6	0	0.00	0	0	0	\$37,740	No formal educ. credential	None	None
41-9021	Real Estate Brokers	241	267	26	10.79	3	2	5	\$119,609	HS or EQ	Less than 5 years	None
41-9022	Real Estate Sales Agents	971	1,076	105	10.81	10	7	17	\$64,747	HS or EQ	None	Moderate-term OJT
41-9031	Sales Engineers	80	89	9	11.25	1	2	3	\$113,736	Bachelor's degree	None	Moderate-term OJT
41-9041	Telemarketers	231	217	-14	-6.06	0	4	4	\$21,682	No formal educ. credential	None	Short-term OJT
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	5	5	0	0.00	0	0	0	\$22,958	No formal educ. credential	None	Short-term OJT
41-9099	Sales and Related Workers, All Other	184	189	5	2.72	0	3	3	\$38,172	HS or EQ	None	None
43-0000	Office and Administrative Support Occupations	87,080	87,972	892	1.02	308	1,609	1,917	\$46,556			
43-1000	Supervisors of Office and Administrative Support Workers	5,594	6,027	433	7.74	43	84	127	N/A			
43-1011	First-Line Supervisors of Office and Administrative Support Workers	5,594	6,027	433	7.74	43	84	127	\$71,036	HS or EQ	Less than 5 years	None
43-2000	Communications Equipment Operators	419	269	-150	-35.80	0	6	6	N/A			
43-2011	Switchboard Operators, Including Answering Service	360	234	-126	-35.00	0	4	4	\$37,034	HS or EQ	None	Short-term OJT
43-2021	Telephone Operators	53	28	-25	-47.17	0	1	1	\$38,160	HS or EQ	None	Short-term OJT
43-2099	Communications Equipment Operators, All Other	6	7	1	16.67	0	0	0	\$68,462	HS or EQ	None	Short-term OJT
43-3000	Financial Clerks	7,301	6,902	-399	-5.47	9	139	148	N/A			
43-3011	Bill and Account Collectors	274	268	-6	-2.19	0	7	7	\$56,784	HS or EQ	None	Moderate-term OJT
43-3021	Billing and Posting Clerks	898	989	91	10.13	9	19	28	\$51,422	HS or EQ	None	Moderate-term OJT
43-3031	Bookkeeping, Accounting, and Auditing Clerks	3,952	3,613	-339	-8.58	0	39	39	\$52,443	Some college, no degree	None	Moderate-term OJT
43-3051	Payroll and Timekeeping Clerks	637	626	-11	-1.73	0	17	17	\$57,085	HS or EQ	None	Moderate-term OJT
43-3061	Procurement Clerks	355	328	-27	-7.61	0	12	12	\$52,656	HS or EQ	None	Moderate-term OJT
43-3071	Tellers	1,125	1,015	-110	-9.78	0	44	44	\$29,119	HS or EQ	None	Short-term OJT
43-3099	Financial Clerks, All Other	60	63	3	5.00	0	2	2	\$46,097	HS or EQ	None	Short-term OJT
43-4000	Information and Record Clerks	20,082	20,863	781	3.89	97	506	603	N/A			
43-4011	Brokerage Clerks	148	161	13	8.78	1	4	5	\$54,637	HS or EQ	None	Moderate-term OJT
43-4021	Correspondence Clerks	10	8	-2	-20.00	0	0	0	\$63,614	HS or EQ	None	Short-term OJT
43-4031	Court, Municipal, and License Clerks	25	25	0	0.00	0	0	0	\$46,010	HS or EQ	None	Moderate-term OJT
43-4041	Credit Authorizers, Checkers, and Clerks	3	3	0	0.00	0	0	0	\$53,548	HS or EQ	None	Moderate-term OJT
43-4051	Customer Service Representatives	6,851	7,436	585	8.54	58	169	227	\$39,716	HS or EQ	None	Short-term OJT
43-4061	Eligibility Interviewers, Government Programs	571	587	16	2.80	2	6	8	\$56,567	HS or EQ	None	Moderate-term OJT
43-4071	File Clerks	543	503	-40	-7.37	0	11	11	\$43,936	HS or EQ	None	Short-term OJT
43-4081	Hotel, Motel, and Resort Desk Clerks	792	869	77	9.72	8	41	49	\$34,336	HS or EQ	None	Short-term OJT
43-4111	Interviewers, Except Eligibility and Loan	244	252	8	3.28	1	6	7	\$39,156	HS or EQ	None	Short-term OJT
43-4121	Library Assistants, Clerical	507	551	44	8.68	4	16	20	\$35,330	HS or EQ	None	Short-term OJT

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Soccode	Occupational Title	Employment		Change 2014-2024		Average Annual Openings			Annual	Typical Education	Work Experience	Typical OJT needed to
		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
43-4131	Loan Interviewers and Clerks	183	189	6	3.28	1	3	4	\$45,093	HS or EQ	None	Short-term OJT
43-4141	New Accounts Clerks	67	60	-7	-10.45	0	2	2	\$43,971	HS or EQ	None	Moderate-term OJT
43-4151	Order Clerks	206	216	10	4.85	1	6	7	\$40,823	HS or EQ	None	Short-term OJT
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	967	927	-40	-4.14	0	11	11	\$52,269	Associate's degree	None	None
43-4171	Receptionists and Information Clerks	4,511	4,710	199	4.41	20	122	142	\$33,726	HS or EQ	None	Short-term OJT
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	223	236	13	5.83	1	3	4	\$46,128	HS or EQ	None	Short-term OJT
43-4199	Information and Record Clerks, All Other	4,231	4,130	-101	-2.39	0	109	109	\$53,100	HS or EQ	None	Short-term OJT
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	6,596	6,546	-50	-0.76	34	164	198	N/A			
43-5011	Cargo and Freight Agents	89	98	9	10.11	1	3	4	\$32,292	HS or EQ	None	Short-term OJT
43-5021	Couriers and Messengers	397	411	14	3.53	1	5	6	\$39,984	HS or EQ	None	Short-term OJT
43-5031	Police, Fire, and Ambulance Dispatchers	135	127	-8	-5.93	0	3	3	\$65,868	HS or EQ	None	Moderate-term OJT
43-5032	Dispatchers, Except Police, Fire, and Ambulance	557	579	22	3.95	2	14	16	\$40,764	HS or EQ	None	Moderate-term OJT
43-5051	Postal Service Clerks	128	99	-29	-22.66	0	2	2	\$56,798	HS or EQ	None	Short-term OJT
43-5052	Postal Service Mail Carriers	814	634	-180	-22.11	0	16	16	\$59,291	HS or EQ	None	Short-term OJT
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	530	371	-159	-30.00	0	6	6	\$56,794	HS or EQ	None	Short-term OJT
43-5061	Production, Planning, and Expediting Clerks	684	734	50	7.31	5	19	24	\$56,169	HS or EQ	None	Moderate-term OJT
43-5071	Shipping, Receiving, and Traffic Clerks	658	643	-15	-2.28	0	14	14	\$45,560	HS or EQ	None	Short-term OJT
43-5081	Stock Clerks and Order Fillers	2,587	2,831	244	9.43	24	82	106	\$28,730	No formal educ. credential	None	Short-term OJT
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	17	19	2	11.76	0	0	0	\$27,359	HS or EQ	None	Short-term OJT
43-6000	Secretaries and Administrative Assistants	28,917	29,239	322	1.11	78	305	383	N/A			
43-6011	Executive Secretaries and Executive Administrative Assistants	7,552	7,157	-395	-5.23	0	80	80	\$61,879	HS or EQ	Less than 5 years	None
43-6012	Legal Secretaries	4,726	4,666	-60	-1.27	0	50	50	\$77,372	HS or EQ	None	Moderate-term OJT
43-6013	Medical Secretaries	1,600	1,872	272	17.00	27	17	44	\$37,990	HS or EQ	None	Moderate-term OJT
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	15,039	15,544	505	3.36	50	158	208	\$45,883	HS or EQ	None	Short-term OJT
43-9000	Other Office and Administrative Support Workers	18,171	18,126	-45	-0.25	47	405	452	N/A			
43-9011	Computer Operators	129	106	-23	-17.83	0	1	1	\$56,370	HS or EQ	None	Moderate-term OJT
43-9021	Data Entry Keyers	460	445	-15	-3.26	0	6	6	\$38,097	HS or EQ	None	Moderate-term OJT
43-9022	Word Processors and Typists	385	320	-65	-16.88	0	1	1	\$45,194	HS or EQ	None	Short-term OJT
43-9031	Desktop Publishers	57	50	-7	-12.28	0	2	2	\$52,986	Associate's degree	None	Short-term OJT
43-9041	Insurance Claims and Policy Processing Clerks	389	413	24	6.17	2	10	12	\$48,056	HS or EQ	None	Moderate-term OJT
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	1,362	1,081	-281	-20.63	0	28	28	\$43,338	HS or EQ	None	Short-term OJT
43-9061	Office Clerks, General	10,511	10,834	323	3.07	32	227	259	\$38,309	HS or EQ	None	Short-term OJT
43-9071	Office Machine Operators, Except Computer	921	806	-115	-12.49	0	21	21	\$39,200	HS or EQ	None	Short-term OJT
43-9081	Proofreaders and Copy Markers	55	57	2	3.64	0	1	1	\$46,829	Bachelor's degree	None	None
43-9111	Statistical Assistants	299	294	-5	-1.67	0	12	12	\$49,386	Bachelor's degree	None	None
43-9199	Office and Administrative Support Workers, All Other	3,603	3,720	117	3.25	12	97	109	\$38,015	HS or EQ	None	Short-term OJT
45-0000	Farming, Fishing, and Forestry Occupations	362	353	-9	-2.49	0	10	10	\$35,380			
45-1000	Supervisors of Farming, Fishing, and Forestry Workers	8	7	-1	-12.50	0	0	0	N/A			
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	8	7	-1	-12.50	0	0	0	\$78,610	HS or EQ	Less than 5 years	None
45-2000	Agricultural Workers	332	323	-9	-2.71	0	9	9	N/A			
45-2011	Agricultural Inspectors	1	1	0	0.00	0	0	0	\$43,066	Bachelor's degree	None	Moderate-term OJT
45-2091	Agricultural Equipment Operators	1	1	0	0.00	0	0	0	\$35,099	No formal educ. credential	None	Short-term OJT
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	3	3	0	0.00	0	0	0	\$33,104	No formal educ. credential	None	Short-term OJT
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	120	116	-4	-3.33	0	3	3	\$55,287	No formal educ. credential	None	Short-term OJT
45-2099	Agricultural Workers, All Other	207	202	-5	-2.42	0	6	6	\$29,432	No formal educ. credential	None	Short-term OJT
45-4000	Forest, Conservation, and Logging Workers	22	23	1	4.55	0	0	0	N/A			
45-4011	Forest and Conservation Workers	21	22	1	4.76	0	0	0	\$19,774	HS or EQ	None	Moderate-term OJT
45-4022	Logging Equipment Operators	1	1	0	0.00	0	0	0	N/A	HS or EQ	None	Moderate-term OJT
47-0000	Construction and Extraction Occupations	13,035	14,573	1,538	11.80	154	202	356	\$49,697			
47-1000	Supervisors of Construction and Extraction Workers	1,177	1,277	100	8.50	10	9	19	N/A			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,177	1,277	100	8.50	10	9	19	\$75,803	HS or EQ	5 years or more	None

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		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
47-2000	Construction Trades Workers	10,477	11,756	1,279	12.21	128	167	295	N/A			
47-2011	Boilermakers	0	0	0	0.00	0	0	0	N/A	HS or EQ	None	Apprenticeship
47-2021	Brickmasons and Blockmasons	147	162	15	10.20	2	1	3	\$57,857	HS or EQ	None	Apprenticeship
47-2022	Stonemasons	167	209	42	25.15	4	1	5	\$40,677	HS or EQ	None	Apprenticeship
47-2031	Carpenters	1,799	1,948	149	8.28	15	21	36	\$48,013	HS or EQ	None	Apprenticeship
47-2041	Carpet Installers	7	7	0	0.00	0	0	0	\$41,325	No formal educ. credential	None	Short-term OJT
47-2043	Floor Sanders and Finishers	1	1	0	0.00	0	0	0	N/A	No formal educ. credential	None	Moderate-term OJT
47-2044	Tile and Marble Setters	68	80	12	17.65	1	1	2	\$37,959	No formal educ. credential	None	Long-term OJT
47-2051	Cement Masons and Concrete Finishers	432	495	63	14.58	6	5	11	\$46,731	No formal educ. credential	None	Moderate-term OJT
47-2061	Construction Laborers	3,347	3,853	506	15.12	51	67	118	\$38,361	No formal educ. credential	None	Short-term OJT
47-2071	Paving, Surfacing, and Tamping Equipment Operators	123	138	15	12.20	2	3	5	\$53,296	HS or EQ	None	Moderate-term OJT
47-2073	Operating Engineers and Other Construction Equipment Operators	525	579	54	10.29	5	9	14	\$56,335	HS or EQ	None	Moderate-term OJT
47-2081	Drywall and Ceiling Tile Installers	130	138	8	6.15	1	1	2	\$41,439	No formal educ. credential	None	Moderate-term OJT
47-2082	Tapers	10	10	0	0.00	0	0	0	\$55,992	No formal educ. credential	None	Moderate-term OJT
47-2111	Electricians	1,208	1,346	138	11.42	14	18	32	\$62,734	HS or EQ	None	Apprenticeship
47-2121	Glaziers	89	92	3	3.37	0	1	1	\$52,827	HS or EQ	None	Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	47	49	2	4.26	0	2	2	\$35,959	No formal educ. credential	None	Short-term OJT
47-2132	Insulation Workers, Mechanical	129	156	27	20.93	3	4	7	\$64,050	HS or EQ	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	572	626	54	9.44	5	9	14	\$47,206	No formal educ. credential	None	Moderate-term OJT
47-2151	Pipelayers	143	165	22	15.38	2	2	4	\$48,847	No formal educ. credential	None	Short-term OJT
47-2152	Plumbers, Pipefitters, and Steamfitters	913	1,008	95	10.41	10	12	22	\$65,139	HS or EQ	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	46	47	1	2.17	0	0	0	\$58,947	No formal educ. credential	None	Long-term OJT
47-2171	Reinforcing Iron and Rebar Workers	263	330	67	25.48	7	4	11	\$48,037	HS or EQ	None	Apprenticeship
47-2181	Roofers	42	47	5	11.90	0	1	1	\$37,693	No formal educ. credential	None	Moderate-term OJT
47-2211	Sheet Metal Workers	39	38	-1	-2.56	0	1	1	\$57,551	HS or EQ	None	Apprenticeship
47-2221	Structural Iron and Steel Workers	230	232	2	0.87	0	4	4	\$58,591	HS or EQ	None	Apprenticeship
47-3000	Helpers, Construction Trades	720	827	107	14.86	11	9	20	N/A			
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	16	17	1	6.25	0	0	0	\$40,098	No formal educ. credential	None	Short-term OJT
47-3012	Helpers--Carpenters	111	123	12	10.81	1	1	2	\$34,842	No formal educ. credential	None	Short-term OJT
47-3013	Helpers--Electricians	192	240	48	25.00	5	2	7	\$33,680	HS or EQ	None	Short-term OJT
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	0	0	0	0.00	0	0	0	N/A	No formal educ. credential	None	Short-term OJT
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	364	409	45	12.36	4	5	9	\$33,526	HS or EQ	None	Short-term OJT
47-3016	Helpers--Roofers	0	0	0	0.00	0	0	0	N/A	No formal educ. credential	None	Short-term OJT
47-3019	Helpers, Construction Trades, All Other	37	38	1	2.70	0	0	0	\$20,038	No formal educ. credential	None	Short-term OJT
47-4000	Other Construction and Related Workers	651	701	50	7.68	5	16	21	N/A			
47-4011	Construction and Building Inspectors	388	422	34	8.76	3	11	14	\$76,236	HS or EQ	5 years or more	Moderate-term OJT
47-4021	Elevator Installers and Repairers	19	18	-1	-5.26	0	0	0	\$81,754	HS or EQ	None	Apprenticeship
47-4031	Fence Erectors	1	1	0	0.00	0	0	0	N/A	No formal educ. credential	None	Moderate-term OJT
47-4041	Hazardous Materials Removal Workers	107	118	11	10.28	1	2	3	\$42,478	HS or EQ	None	Moderate-term OJT
47-4051	Highway Maintenance Workers	34	34	0	0.00	0	1	1	\$55,297	HS or EQ	None	Moderate-term OJT
47-4061	Rail-Track Laying and Maintenance Equipment Operators	0	0	0	0.00	0	0	0	\$57,070	HS or EQ	None	Moderate-term OJT
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	56	63	7	12.50	1	1	2	\$39,081	No formal educ. credential	None	Moderate-term OJT
47-4099	Construction and Related Workers, All Other	46	45	-1	-2.17	0	1	1	\$43,932	HS or EQ	None	Moderate-term OJT
47-5000	Extraction Workers	10	12	2	20.00	0	0	0	N/A			
47-5021	Earth Drillers, Except Oil and Gas	10	12	2	20.00	0	0	0	\$60,373	HS or EQ	None	Moderate-term OJT
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	0	0	0	0.00	0	0	0	N/A	HS or EQ	Less than 5 years	Long-term OJT
49-0000	Installation, Maintenance, and Repair Occupations	9,289	10,304	1,015	10.93	106	219	325	\$52,469			
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	847	942	95	11.22	10	17	27	N/A			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	847	942	95	11.22	10	17	27	\$73,015	HS or EQ	Less than 5 years	None
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	1,153	1,225	72	6.24	10	17	27	N/A			
49-2011	Computer, Automated Teller, and Office Machine Repairers	112	109	-3	-2.68	0	2	2	\$53,511	Some college, no degree	None	Short-term OJT

DISTRICT OF COLUMBIA LONG-TERM OCCUPATIONAL PROJECTIONS, 2014 and projected 2024*

Soccode	Occupational Title	Employment		Change 2014-2024		Average Annual Openings			Annual	Typical Education	Work Experience	Typical OJT needed to
		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	0	0	0	0.00	0	0	0	N/A	Associate's degree	None	Moderate-term OJT
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	454	544	90	19.82	9	4	13	\$66,443	Postsec. non-degree	None	Moderate-term OJT
49-2092	Electric Motor, Power Tool, and Related Repairers	6	6	0	0.00	0	0	0	N/A	Postsec. non-degree	None	Long-term OJT
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	0	0	0	0.00	0	0	0	\$58,909	Postsec. non-degree	None	Long-term OJT
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	159	158	-1	-0.63	0	3	3	\$82,560	Postsec. non-degree	None	Long-term OJT
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	297	275	-22	-7.41	0	5	5	\$81,496	Postsec. non-degree	None	Long-term OJT
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	93	96	3	3.23	0	2	2	\$44,081	Postsec. non-degree	None	Short-term OJT
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	0	0	0	0.00	0	0	0	N/A	Postsec. non-degree	None	Short-term OJT
49-2098	Security and Fire Alarm Systems Installers	32	37	5	15.62	0	1	1	\$59,406	HS or EQ	None	Moderate-term OJT
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	877	936	59	6.73	6	23	29	N/A			
49-3011	Aircraft Mechanics and Service Technicians	31	33	2	6.45	0	1	1	\$56,535	Postsec. non-degree	None	None
49-3021	Automotive Body and Related Repairers	81	89	8	9.88	1	2	3	\$62,399	HS or EQ	None	Long-term OJT
49-3023	Automotive Service Technicians and Mechanics	449	444	-5	-1.11	0	12	12	\$57,280	Postsec. non-degree	None	Short-term OJT
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	92	106	14	15.22	1	2	3	\$52,954	HS or EQ	None	Long-term OJT
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	65	70	5	7.69	0	2	2	\$67,764	HS or EQ	None	Long-term OJT
49-3043	Rail Car Repairers	0	0	0	0.00	0	0	0	\$59,773	HS or EQ	None	Long-term OJT
49-3051	Motorboat Mechanics and Service Technicians	4	5	1	25.00	0	0	0	\$49,485	HS or EQ	None	Long-term OJT
49-3052	Motorcycle Mechanics	2	3	1	50.00	0	0	0	\$45,492	Postsec. non-degree	None	Short-term OJT
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	4	4	0	0.00	0	0	0	\$59,681	HS or EQ	None	Moderate-term OJT
49-3091	Bicycle Repairers	140	172	32	22.86	3	5	8	\$30,876	HS or EQ	None	Moderate-term OJT
49-3093	Tire Repairers and Changers	9	10	1	11.11	0	0	0	\$22,228	HS or EQ	None	Short-term OJT
49-9000	Other Installation, Maintenance, and Repair Occupations	6,412	7,201	789	12.31	80	163	243	N/A			
49-9011	Mechanical Door Repairers	35	39	4	11.43	0	1	1	\$39,299	HS or EQ	None	Moderate-term OJT
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	11	13	2	18.18	0	0	0	\$58,947	HS or EQ	None	Moderate-term OJT
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	337	369	32	9.50	3	5	8	\$66,175	Postsec. non-degree	None	Long-term OJT
49-9031	Home Appliance Repairers	6	6	0	0.00	0	0	0	\$43,832	HS or EQ	None	Moderate-term OJT
49-9041	Industrial Machinery Mechanics	86	100	14	16.28	1	2	3	\$62,963	HS or EQ	None	Long-term OJT
49-9043	Maintenance Workers, Machinery	235	275	40	17.02	4	4	8	\$48,981	HS or EQ	None	Moderate-term OJT
49-9044	Millwrights	1	1	0	0.00	0	0	0	\$56,635	HS or EQ	None	Apprenticeship
49-9051	Electrical Power-Line Installers and Repairers	177	183	6	3.39	1	7	8	\$71,248	HS or EQ	None	Long-term OJT
49-9052	Telecommunications Line Installers and Repairers	402	403	1	0.25	0	7	7	\$44,951	HS or EQ	None	Long-term OJT
49-9061	Camera and Photographic Equipment Repairers	11	11	0	0.00	0	0	0	\$25,015	Associate's degree	None	Long-term OJT
49-9062	Medical Equipment Repairers	53	61	8	15.09	1	1	2	\$47,556	Associate's degree	None	Moderate-term OJT
49-9063	Musical Instrument Repairers and Tuners	1	1	0	0.00	0	0	0	\$57,208	HS or EQ	None	Apprenticeship
49-9064	Watch Repairers	1	0	-1	-100.00	0	0	0	N/A	HS or EQ	None	Long-term OJT
49-9069	Precision Instrument and Equipment Repairers, All Other	2	2	0	0.00	0	0	0	\$61,266	HS or EQ	None	Long-term OJT
49-9071	Maintenance and Repair Workers, General	4,402	5,036	634	14.40	63	115	178	\$44,360	HS or EQ	None	Long-term OJT
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	0	0	0	0.00	0	0	0	N/A	HS or EQ	None	Short-term OJT
49-9092	Commercial Divers	10	10	0	0.00	0	0	0	\$88,595	Postsec. non-degree	None	Moderate-term OJT
49-9094	Locksmiths and Safe Repairers	56	45	-11	-19.64	0	3	3	\$59,677	HS or EQ	None	Long-term OJT
49-9096	Riggers	58	60	2	3.45	0	2	2	\$62,011	HS or EQ	None	Short-term OJT
49-9097	Signal and Track Switch Repairers	0	0	0	0.00	0	0	0	\$71,500	HS or EQ	None	Moderate-term OJT
49-9098	Helpers--Installation, Maintenance, and Repair Workers	364	414	50	13.74	5	12	17	\$38,701	HS or EQ	None	Short-term OJT
49-9099	Installation, Maintenance, and Repair Workers, All Other	164	172	8	4.88	1	2	3	\$30,701	HS or EQ	None	Moderate-term OJT
51-0000	Production Occupations	5,241	5,303	62	1.18	20	106	126	\$50,043			
51-1000	Supervisors of Production Workers	377	373	-4	-1.06	0	6	6	N/A			
51-1011	First-Line Supervisors of Production and Operating Workers	377	373	-4	-1.06	0	6	6	\$74,502	HS or EQ	Less than 5 years	None
51-2000	Assemblers and Fabricators	172	182	10	5.81	1	3	4	N/A			
51-2022	Electrical and Electronic Equipment Assemblers	8	7	-1	-12.50	0	0	0	\$30,753	HS or EQ	None	Moderate-term OJT
51-2023	Electromechanical Equipment Assemblers	8	9	1	12.50	0	0	0	\$24,875	HS or EQ	None	Moderate-term OJT
51-2041	Structural Metal Fabricators and Fitters	45	46	1	2.22	0	1	1	\$30,507	HS or EQ	None	Moderate-term OJT

DISTRICT OF COLUMBIA LONG-TERM OCCUPATIONAL PROJECTIONS, 2014 and projected 2024*

Soccode	Occupational Title	Employment		Change 2014-2024		Average Annual Openings			Annual	Typical Education	Work Experience	Typical OJT needed to
		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
51-2092	Team Assemblers	30	31	1	3.33	0	1	1	\$22,329	HS or EQ	None	Moderate-term OJT
51-2099	Assemblers and Fabricators, All Other	81	89	8	9.88	1	2	3	\$41,327	HS or EQ	None	Moderate-term OJT
51-3000	Food Processing Workers	596	671	75	12.58	8	12	20	N/A			
51-3011	Bakers	256	287	31	12.11	3	6	9	\$35,825	No formal educ. credential	None	Long-term OJT
51-3021	Butchers and Meat Cutters	280	320	40	14.29	4	6	10	\$42,595	No formal educ. credential	None	Long-term OJT
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	56	59	3	5.36	0	1	1	\$21,676	No formal educ. credential	None	Short-term OJT
51-3092	Food Batchmakers	4	5	1	25.00	0	0	0	\$37,734	HS or EQ	None	Moderate-term OJT
51-3093	Food Cooking Machine Operators and Tenders	0	0	0	0.00	0	0	0	N/A	HS or EQ	None	Moderate-term OJT
51-4000	Metal Workers and Plastic Workers	133	137	4	3.01	1	3	4	N/A			
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	6	5	-1	-16.67	0	0	0	\$28,936	HS or EQ	None	Moderate-term OJT
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders,	0	0	0	0.00	0	0	0	N/A	HS or EQ	None	Moderate-term OJT
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	7	6	-1	-14.29	0	0	0	\$37,569	HS or EQ	None	Moderate-term OJT
51-4041	Machinists	52	56	4	7.69	0	2	2	\$58,853	HS or EQ	None	Long-term OJT
51-4061	Model Makers, Metal and Plastic	7	6	-1	-14.29	0	0	0	\$38,040	HS or EQ	None	Moderate-term OJT
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	3	3	0	0.00	0	0	0	\$48,932	HS or EQ	None	Moderate-term OJT
51-4111	Tool and Die Makers	0	0	0	0.00	0	0	0	N/A	HS or EQ	None	Long-term OJT
51-4121	Welders, Cutters, Solderers, and Brazers	50	55	5	10.00	0	1	1	\$57,589	HS or EQ	None	Moderate-term OJT
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	0	0	0	0.00	0	0	0	N/A	HS or EQ	None	Moderate-term OJT
51-4194	Tool Grinders, Filers, and Sharpeners	2	2	0	0.00	0	0	0	\$35,250	HS or EQ	None	Moderate-term OJT
51-4199	Metal Workers and Plastic Workers, All Other	6	4	-2	-33.33	0	0	0	\$82,378	HS or EQ	None	Moderate-term OJT
51-5100	Printing Workers	1,318	1,270	-48	-3.64	0	20	20	N/A			
51-5111	Prepress Technicians and Workers	318	306	-12	-3.77	0	5	5	\$76,078	Postsec. non-degree	None	None
51-5112	Printing Press Operators	680	656	-24	-3.53	0	10	10	\$89,134	HS or EQ	None	Moderate-term OJT
51-5113	Print Binding and Finishing Workers	320	308	-12	-3.75	0	5	5	\$75,307	HS or EQ	None	Short-term OJT
51-6000	Textile, Apparel, and Furnishings Workers	939	931	-8	-0.85	3	18	21	N/A			
51-6011	Laundry and Dry-Cleaning Workers	542	566	24	4.43	2	8	10	\$32,599	No formal educ. credential	None	Short-term OJT
51-6021	Pressers, Textile, Garment, and Related Materials	109	106	-3	-2.75	0	3	3	\$20,049	No formal educ. credential	None	Short-term OJT
51-6031	Sewing Machine Operators	36	25	-11	-30.56	0	0	0	\$27,579	No formal educ. credential	None	Short-term OJT
51-6041	Shoe and Leather Workers and Repairers	30	30	0	0.00	0	0	0	\$26,168	HS or EQ	None	Moderate-term OJT
51-6051	Sewers, Hand	7	7	0	0.00	0	0	0	\$34,840	No formal educ. credential	None	Moderate-term OJT
51-6052	Tailors, Dressmakers, and Custom Sewers	178	158	-20	-11.24	0	6	6	\$44,494	No formal educ. credential	None	Moderate-term OJT
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	4	4	0	0.00	0	0	0	\$26,643	HS or EQ	None	Short-term OJT
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	2	2	0	0.00	0	0	0	\$22,537	HS or EQ	None	Moderate-term OJT
51-6093	Upholsterers	7	8	1	14.29	0	0	0	\$42,523	HS or EQ	None	Moderate-term OJT
51-6099	Textile, Apparel, and Furnishings Workers, All Other	24	25	1	4.17	0	0	0	\$46,022	HS or EQ	None	Short-term OJT
51-7000	Woodworkers	148	151	3	2.03	0	1	1	N/A			
51-7011	Cabinetmakers and Bench Carpenters	136	139	3	2.21	0	1	1	\$43,860	HS or EQ	None	Moderate-term OJT
51-7021	Furniture Finishers	1	1	0	0.00	0	0	0	N/A	HS or EQ	None	Short-term OJT
51-7099	Woodworkers, All Other	11	11	0	0.00	0	0	0	\$62,858	HS or EQ	None	Moderate-term OJT
51-8000	Plant and System Operators	1,047	1,107	60	5.73	7	30	37	N/A			
51-8012	Power Distributors and Dispatchers	11	9	-2	-18.18	0	0	0	\$93,613	HS or EQ	None	Long-term OJT
51-8013	Power Plant Operators	9	8	-1	-11.11	0	0	0	\$81,915	HS or EQ	None	Long-term OJT
51-8021	Stationary Engineers and Boiler Operators	631	689	58	9.19	6	17	23	\$71,243	HS or EQ	None	Long-term OJT
51-8031	Water and Wastewater Treatment Plant and System Operators	215	225	10	4.65	1	6	7	\$53,130	HS or EQ	None	Long-term OJT
51-8092	Gas Plant Operators	1	1	0	0.00	0	0	0	\$115,440	HS or EQ	None	Long-term OJT
51-8099	Plant and System Operators, All Other	180	175	-5	-2.78	0	7	7	\$63,976	HS or EQ	None	Long-term OJT
51-9000	Other Production Occupations	511	481	-30	-5.87	1	12	13	N/A			
51-9011	Chemical Equipment Operators and Tenders	1	1	0	0.00	0	0	0	\$39,603	HS or EQ	None	Moderate-term OJT
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and T	0	0	0	0.00	0	0	0	N/A	HS or EQ	None	Moderate-term OJT
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	2	2	0	0.00	0	0	0	\$31,383	HS or EQ	None	Moderate-term OJT
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	36	37	1	2.78	0	1	1	\$30,010	HS or EQ	None	Moderate-term OJT

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		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	24	23	-1	-4.17	0	0	0	\$34,968	HS or EQ	None	Short-term OJT
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	1	2	1	100.00	0	0	0	\$35,250	HS or EQ	None	Moderate-term OJT
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	74	74	0	0.00	0	2	2	\$53,881	HS or EQ	None	Moderate-term OJT
51-9071	Jewelers and Precious Stone and Metal Workers	3	3	0	0.00	0	0	0	N/A	HS or EQ	None	Long-term OJT
51-9081	Dental Laboratory Technicians	40	43	3	7.50	0	1	1	\$71,512	HS or EQ	None	Moderate-term OJT
51-9082	Medical Appliance Technicians	11	13	2	18.18	0	0	0	\$44,460	HS or EQ	None	Long-term OJT
51-9083	Ophthalmic Laboratory Technicians	3	4	1	33.33	0	0	0	\$20,033	HS or EQ	None	Moderate-term OJT
51-9111	Packaging and Filling Machine Operators and Tenders	21	21	0	0.00	0	1	1	\$25,663	HS or EQ	None	Moderate-term OJT
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	2	2	0	0.00	0	0	0	\$38,514	HS or EQ	None	Moderate-term OJT
51-9122	Painters, Transportation Equipment	4	4	0	0.00	0	0	0	\$74,018	HS or EQ	None	Moderate-term OJT
51-9123	Painting, Coating, and Decorating Workers	43	42	-1	-2.33	0	1	1	\$58,419	No formal educ. credential	None	Moderate-term OJT
51-9151	Photographic Process Workers and Processing Machine Operators	121	83	-38	-31.40	0	2	2	\$24,426	HS or EQ	None	Short-term OJT
51-9194	Etchers and Engravers	2	2	0	0.00	0	0	0	\$27,884	HS or EQ	None	Moderate-term OJT
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	0	0	0	0.00	0	0	0	N/A	HS or EQ	None	Long-term OJT
51-9196	Paper Goods Machine Setters, Operators, and Tenders	4	4	0	0.00	0	0	0	\$33,181	HS or EQ	None	Moderate-term OJT
51-9198	Helpers--Production Workers	40	39	-1	-2.50	0	1	1	\$22,759	No formal educ. credential	None	Short-term OJT
51-9199	Production Workers, All Other	79	82	3	3.80	0	2	2	\$59,789	HS or EQ	None	Moderate-term OJT
53-0000	Transportation and Material Moving Occupations	15,571	16,744	1,173	7.53	122	431	553	\$37,081			
53-1000	Supervisors of Transportation and Material Moving Workers	543	576	33	6.08	3	17	20	N/A			
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	137	150	13	9.49	1	4	5	\$67,071	HS or EQ	Less than 5 years	None
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Oper	406	426	20	4.93	2	13	15	\$63,677	HS or EQ	Less than 5 years	None
53-2000	Air Transportation Workers	699	675	-24	-3.43	0	22	22	N/A			
53-2011	Airline Pilots, Copilots, and Flight Engineers	4	4	0	0.00	0	0	0	\$132,444	Bachelor's degree	Less than 5 years	Moderate-term OJT
53-2012	Commercial Pilots	7	7	0	0.00	0	0	0	\$85,454	HS or EQ	None	Moderate-term OJT
53-2021	Air Traffic Controllers	688	664	-24	-3.49	0	21	21	\$117,378	Associate's degree	None	Long-term OJT
53-3000	Motor Vehicle Operators	8,231	9,134	903	10.97	91	138	229	N/A			
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	4	6	2	50.00	0	0	0	\$39,343	HS or EQ	None	Moderate-term OJT
53-3021	Bus Drivers, Transit and Intercity	260	319	59	22.69	6	3	9	\$34,893	HS or EQ	None	Moderate-term OJT
53-3022	Bus Drivers, School or Special Client	3,350	3,958	608	18.15	61	44	105	\$44,019	HS or EQ	None	Short-term OJT
53-3031	Driver/Sales Workers	337	355	18	5.34	2	6	8	\$23,948	HS or EQ	None	Short-term OJT
53-3032	Heavy and Tractor-Trailer Truck Drivers	480	502	22	4.58	2	8	10	\$48,390	Postsec. non-degree	None	Short-term OJT
53-3033	Light Truck or Delivery Services Drivers	1,333	1,389	56	4.20	6	23	29	\$29,992	HS or EQ	None	Short-term OJT
53-3041	Taxi Drivers and Chauffeurs	1,860	2,001	141	7.58	14	35	49	\$30,936	No formal educ. credential	None	Short-term OJT
53-3099	Motor Vehicle Operators, All Other	607	604	-3	-0.49	0	19	19	\$50,825	No formal educ. credential	None	Short-term OJT
53-4000	Rail Transportation Workers	0	0	0	0.00	0	0	0	N/A			
53-4011	Locomotive Engineers	0	0	0	0.00	0	0	0	\$80,080	HS or EQ	Less than 5 years	Moderate-term OJT
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	0	0	0	0.00	0	0	0	\$83,963	HS or EQ	None	Moderate-term OJT
53-4021	Railroad Brake, Signal, and Switch Operators	0	0	0	0.00	0	0	0	\$56,420	HS or EQ	None	Moderate-term OJT
53-4031	Railroad Conductors and Yardmasters	0	0	0	0.00	0	0	0	\$60,528	HS or EQ	None	Moderate-term OJT
53-5000	Water Transportation Workers	169	189	20	11.83	2	6	8	N/A			
53-5011	Sailors and Marine Oilers	63	72	9	14.29	1	2	3	\$23,838	No formal educ. credential	None	Moderate-term OJT
53-5021	Captains, Mates, and Pilots of Water Vessels	66	75	9	13.64	1	3	4	\$44,722	Postsec. non-degree	Less than 5 years	None
53-5022	Motorboat Operators	23	23	0	0.00	0	1	1	\$55,377	Postsec. non-degree	Less than 5 years	None
53-5031	Ship Engineers	17	19	2	11.76	0	0	0	\$25,058	Postsec. non-degree	Less than 5 years	None
53-6000	Other Transportation Workers	3,355	3,436	81	2.41	10	174	184	N/A			
53-6011	Bridge and Lock Tenders	2	2	0	0.00	0	0	0	\$63,055	HS or EQ	None	Short-term OJT
53-6021	Parking Lot Attendants	2,415	2,493	78	3.23	8	134	142	\$20,313	No formal educ. credential	None	Short-term OJT
53-6031	Automotive and Watercraft Service Attendants	80	99	19	23.75	2	3	5	\$26,118	No formal educ. credential	None	Short-term OJT
53-6041	Traffic Technicians	102	103	1	0.98	0	5	5	\$46,085	HS or EQ	None	Moderate-term OJT
53-6051	Transportation Inspectors	261	255	-6	-2.30	0	7	7	\$109,630	HS or EQ	None	Moderate-term OJT
53-6061	Transportation Attendants, Except Flight Attendants	12	13	1	8.33	0	0	0	\$53,078	HS or EQ	None	Short-term OJT

DISTRICT OF COLUMBIA LONG-TERM OCCUPATIONAL PROJECTIONS, 2014 and projected 2024*

Soccode	Occupational Title	Employment		Change 2014-2024		Average Annual Openings			Annual	Typical Education	Work Experience	Typical OJT needed to
		2014	2024	Numeric	Percent	Replacement	Growth	Total	Median Wage**	Needed for Entry	in a related occp.	attain competency
53-6099	Transportation Workers, All Other	483	471	-12	-2.48	0	24	24	\$37,401	HS or EQ	None	Short-term OJT
53-7000	Material Moving Workers	2,574	2,734	160	6.22	16	74	90	N/A			
53-7011	Conveyor Operators and Tenders	12	12	0	0.00	0	0	0	\$53,177	No formal educ. credential	None	Short-term OJT
53-7021	Crane and Tower Operators	68	76	8	11.76	1	2	3	\$65,631	HS or EQ	Less than 5 years	Moderate-term OJT
53-7032	Excavating and Loading Machine and Dragline Operators	10	10	0	0.00	0	0	0	\$56,778	HS or EQ	Less than 5 years	Moderate-term OJT
53-7051	Industrial Truck and Tractor Operators	52	50	-2	-3.85	0	1	1	\$51,864	No formal educ. credential	None	Short-term OJT
53-7061	Cleaners of Vehicles and Equipment	160	182	22	13.75	2	6	8	\$40,878	No formal educ. credential	None	Short-term OJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,405	1,480	75	5.34	8	42	50	\$35,171	No formal educ. credential	None	Short-term OJT
53-7064	Packers and Packagers, Hand	210	235	25	11.90	2	6	8	\$23,292	No formal educ. credential	None	Short-term OJT
53-7072	Pump Operators, Except Wellhead Pumpers	2	3	1	50.00	0	0	0	N/A	HS or EQ	None	Moderate-term OJT
53-7081	Refuse and Recyclable Material Collectors	597	621	24	4.02	2	15	17	\$42,131	No formal educ. credential	None	Short-term OJT
53-7121	Tank Car, Truck, and Ship Loaders	22	22	0	0.00	0	1	1	\$43,976	No formal educ. credential	None	Short-term OJT
53-7199	Material Moving Workers, All Other	36	43	7	19.44	1	1	2	\$36,890	No formal educ. credential	None	Short-term OJT

Notes: *District of Columbia Long-Term Industry and Occupational Projections, 2014 - 2024

**Bureau of Labor Statistics, Occupational Employment Statistics (OES), May 2015 survey

N/A - not available

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