

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, 2015 - 2017*

Soccode	Occupational Title	Employment		Change 2015-2017		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2015	2017	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
00-0000	Total, All Occupations	765,382	788,798	23,416	3.06	12,920	16,038	28,958	\$66,166			
11-0000	Management Occupations	101,349	102,386	1,037	1.02	794	2,210	3,004	\$130,445			
11-1000	Top Executives	31,789	32,212	423	1.33	212	722	934	N/A			
11-1011	Chief Executives	3,704	3,761	57	1.54	28	62	90	\$185,604	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	28,063	28,430	367	1.31	184	660	844	\$134,669	Bachelor's degree	5 years or more	None
11-1031	Legislators	22	21	-1	-4.55	0	0	0	\$130,884	Bachelor's degree	Less than 5 years	None
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	6,295	6,590	295	4.69	148	179	327	N/A			
11-2011	Advertising and Promotions Managers	218	230	12	5.50	6	7	13	\$89,543	Bachelor's degree	Less than 5 years	None
11-2021	Marketing Managers	1,245	1,318	73	5.86	36	28	64	\$145,891	Bachelor's degree	5 years or more	None
11-2022	Sales Managers	1,167	1,244	77	6.60	38	26	64	\$111,443	Bachelor's degree	Less than 5 years	None
11-2031	Public Relations and Fundraising Managers	3,665	3,798	133	3.63	66	118	184	\$140,355	Bachelor's degree	5 years or more	None
11-3000	Operations Specialties Managers	19,666	19,752	86	0.44	92	371	463	N/A			
11-3011	Administrative Services Managers	1,872	1,920	48	2.56	24	30	54	\$98,128	Bachelor's degree	Less than 5 years	None
11-3021	Computer and Information Systems Managers	4,347	4,442	95	2.19	48	38	86	\$151,488	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	8,529	8,532	3	0.04	2	186	188	\$139,511	Bachelor's degree	5 years or more	None
11-3051	Industrial Production Managers	44	43	-1	-2.27	0	1	1	\$116,925	Bachelor's degree	5 years or more	None
11-3061	Purchasing Managers	2,224	2,130	-94	-4.23	0	46	46	\$128,791	Bachelor's degree	5 years or more	None
11-3071	Transportation, Storage, and Distribution Managers	531	529	-2	-0.38	0	10	10	\$129,272	HS or EQ	5 years or more	None
11-3111	Compensation and Benefits Managers	122	126	4	3.28	2	4	6	\$121,525	Bachelor's degree	5 years or more	None
11-3121	Human Resources Managers	1,728	1,749	21	1.22	10	48	58	\$144,359	Bachelor's degree	5 years or more	None
11-3131	Training and Development Managers	269	281	12	4.46	6	8	14	\$120,329	Bachelor's degree	5 years or more	None
11-9000	Other Management Occupations	43,599	43,832	233	0.53	342	938	1,280	N/A			
11-9013	Farmers, Ranchers, and Other Agricultural Managers	3	3	0	0.00	0	0	0	\$106,840	HS or EQ	5 years or more	None
11-9021	Construction Managers	1,081	1,148	67	6.20	34	16	50	\$98,440	Bachelor's degree	None	Moderate-term OJT
11-9031	Education Administrators, Preschool and Childcare Center/Program	319	330	11	3.45	6	10	16	\$60,338	Bachelor's degree	Less than 5 years	None
11-9032	Education Administrators, Elementary and Secondary School	1,334	1,384	50	3.75	25	40	65	\$94,333	Master's degree	5 years or more	None
11-9033	Education Administrators, Postsecondary	1,860	1,954	94	5.05	47	55	102	\$85,469	Master's degree	Less than 5 years	None
11-9039	Education Administrators, All Other	813	815	2	0.25	1	24	25	\$93,859	Bachelor's degree	Less than 5 years	None
11-9041	Architectural and Engineering Managers	2,263	2,252	-11	-0.49	0	60	60	\$139,520	Bachelor's degree	5 years or more	None
11-9051	Food Service Managers	1,321	1,375	54	4.09	27	25	52	\$60,189	HS or EQ	Less than 5 years	None
11-9061	Funeral Service Managers	14	15	1	7.14	0	0	0	\$99,833	Associate's degree	Less than 5 years	None
11-9081	Lodging Managers	139	144	5	3.60	2	2	4	\$64,756	HS or EQ	Less than 5 years	None
11-9111	Medical and Health Services Managers	1,859	1,898	39	2.10	20	44	64	\$121,630	Bachelor's degree	Less than 5 years	None
11-9121	Natural Sciences Managers	1,274	1,247	-27	-2.12	0	26	26	\$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	1,765	2,085	320	18.13	160	28	188	\$73,386	HS or EQ	Less than 5 years	None
11-9151	Social and Community Service Managers	1,207	1,249	42	3.48	21	31	52	\$90,352	Bachelor's degree	5 years or more	None
11-9161	Emergency Management Directors	142	141	-1	-0.70	0	2	2	\$138,870	Bachelor's degree	5 years or more	None
11-9199	Managers, All Other	28,202	27,789	-413	-1.46	0	576	576	\$128,792	Bachelor's degree	Less than 5 years	None
13-0000	Business and Financial Operations Occupations	119,473	120,584	1,111	0.93	826	1,772	2,598	\$89,125			
13-1000	Business Operations Specialists	93,960	94,529	569	0.61	528	1,225	1,753	N/A			
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	150	154	4	2.67	2	4	6	\$75,777	Bachelor's degree	Less than 5 years	None
13-1021	Buyers and Purchasing Agents, Farm Products	51	54	3	5.88	2	1	3	\$71,081	Bachelor's degree	None	Long-term OJT
13-1022	Wholesale and Retail Buyers, Except Farm Products	132	136	4	3.03	2	4	6	\$50,571	Bachelor's degree	None	Long-term OJT
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	3,277	3,160	-117	-3.57	0	90	90	\$90,831	Bachelor's degree	None	Long-term OJT
13-1031	Claims Adjusters, Examiners, and Investigators	707	691	-16	-2.26	0	16	16	\$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	Postse. non-degree	None	Moderate-term OJT
13-1041	Compliance Officers	4,759	4,805	46	0.97	23	61	84	\$84,012	Bachelor's degree	None	Moderate-term OJT
13-1051	Cost Estimators	415	434	19	4.58	10	12	22	\$72,931	Bachelor's degree	None	None
13-1071	Human Resources Specialists	7,698	7,706	8	0.10	4	177	181	\$90,820	Bachelor's degree	None	None
13-1075	Labor Relations Specialists	363	359	-4	-1.10	0	8	8	\$82,701	Bachelor's degree	Less than 5 years	None
13-1081	Logisticians	1,588	1,617	29	1.83	14	13	27	\$101,312	Bachelor's degree	None	None
13-1111	Management Analysts	25,589	25,867	278	1.09	139	301	440	\$94,527	Bachelor's degree	Less than 5 years	None

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13-1121	Meeting, Convention, and Event Planners	2,409	2,509	100	4.15	50	25	75	\$63,918	Bachelor's degree	None	None
13-1131	Fundraisers	1,621	1,678	57	3.52	28	20	48	\$68,015	Bachelor's degree	None	None
13-1141	Compensation, Benefits, and Job Analysis Specialists	507	516	9	1.78	4	12	16	\$76,459	Bachelor's degree	Less than 5 years	None
13-1151	Training and Development Specialists	1,258	1,307	49	3.90	24	29	53	\$74,581	Bachelor's degree	Less than 5 years	None
13-1161	Market Research Analysts and Marketing Specialists	5,567	6,017	450	8.08	225	58	283	\$68,261	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	37,869	37,519	-350	-0.92	0	396	396	\$90,829	Bachelor's degree	None	None
13-2000	Financial Specialists	25,513	26,055	542	2.12	298	547	845	N/A			
13-2011	Accountants and Auditors	12,496	12,769	273	2.18	136	326	462	\$87,081	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	271	316	45	16.61	22	5	27	\$92,874	Bachelor's degree	None	Long-term OJT
13-2031	Budget Analysts	2,305	2,294	-11	-0.48	0	58	58	\$93,857	Bachelor's degree	None	None
13-2041	Credit Analysts	193	197	4	2.07	2	8	10	\$109,267	Bachelor's degree	None	None
13-2051	Financial Analysts	3,470	3,658	188	5.42	94	60	154	\$86,394	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	748	797	49	6.55	24	18	42	\$92,103	Bachelor's degree	None	Long-term OJT
13-2053	Insurance Underwriters	38	37	-1	-2.63	0	0	0	\$75,135	Bachelor's degree	None	Moderate-term OJT
13-2061	Financial Examiners	674	672	-2	-0.30	0	16	16	\$154,834	Bachelor's degree	None	Moderate-term OJT
13-2071	Credit Counselors	87	90	3	3.45	2	2	4	\$51,300	Bachelor's degree	None	Moderate-term OJT
13-2072	Loan Officers	730	747	17	2.33	8	12	20	\$86,737	Bachelor's degree	None	Moderate-term OJT
13-2081	Tax Examiners and Collectors, and Revenue Agents	332	322	-10	-3.01	0	12	12	\$73,767	Bachelor's degree	None	Moderate-term OJT
13-2082	Tax Preparers	151	167	16	10.60	8	4	12	\$47,021	HS or EQ	None	Moderate-term OJT
13-2099	Financial Specialists, All Other	4,018	3,989	-29	-0.72	0	24	24	\$91,646	Bachelor's degree	None	Moderate-term OJT
15-0000	Computer and Mathematical Occupations	44,023	46,406	2,383	5.41	1,202	534	1,736	\$100,054			
15-1100	Computer Occupations	40,717	42,968	2,251	5.53	1,132	482	1,614	N/A			
15-1111	Computer and Information Research Scientists	714	750	36	5.04	18	8	26	\$120,325	PhD or Prof. degree	None	None
15-1121	Computer Systems Analysts	4,211	4,641	430	10.21	215	46	261	\$98,708	Bachelor's degree	None	None
15-1122	Information Security Analysts	1,026	1,118	92	8.97	46	12	58	\$111,553	Bachelor's degree	Less than 5 years	None
15-1131	Computer Programmers	1,195	1,237	42	3.51	21	29	50	\$91,395	Bachelor's degree	None	None
15-1132	Software Developers, Applications	2,825	3,112	287	10.16	144	35	179	\$100,368	Bachelor's degree	None	None
15-1133	Software Developers, Systems Software	2,757	3,035	278	10.08	139	34	173	\$106,347	Bachelor's degree	None	None
15-1134	Web Developers	1,500	1,615	115	7.67	58	16	74	\$79,898	Associate's degree	None	None
15-1141	Database Administrators	1,110	1,195	85	7.66	42	20	62	\$103,629	Bachelor's degree	Less than 5 years	None
15-1142	Network and Computer Systems Administrators	3,256	3,547	291	8.94	146	36	182	\$90,426	Bachelor's degree	None	None
15-1143	Computer Network Architects	1,513	1,676	163	10.77	82	17	99	\$101,097	Bachelor's degree	5 years or more	None
15-1151	Computer User Support Specialists	4,603	4,962	359	7.80	180	51	231	\$60,338	Some college, no degree	None	None
15-1152	Computer Network Support Specialists	871	958	87	9.99	44	10	54	\$86,258	Associate's degree	None	None
15-1199	Computer Occupations, All Other	15,136	15,122	-14	-0.09	0	168	168	\$115,035	Bachelor's degree	None	None
15-2000	Mathematical Science Occupations	3,306	3,438	132	3.99	70	52	122	N/A			
15-2011	Actuaries	244	239	-5	-2.05	0	6	6	\$118,078	Bachelor's degree	None	Long-term OJT
15-2021	Mathematicians	111	115	4	3.60	2	2	4	\$118,131	Master's degree	None	None
15-2031	Operations Research Analysts	1,305	1,371	66	5.06	33	18	51	\$110,790	Bachelor's degree	None	None
15-2041	Statisticians	1,561	1,631	70	4.48	35	25	60	\$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	82	80	-2	-2.44	0	2	2	\$43,074	Bachelor's degree	None	None
17-0000	Architecture and Engineering Occupations	13,063	13,272	209	1.60	169	285	454	\$99,918			
17-1000	Architects, Surveyors, and Cartographers	2,407	2,559	152	6.31	76	42	118	N/A			
17-1011	Architects, Except Landscape and Naval	2,262	2,411	149	6.59	74	38	112	\$73,972	Bachelor's degree	None	Internship/residency
17-1012	Landscape Architects	59	59	0	0.00	0	1	1	\$89,306	Bachelor's degree	None	Internship/residency
17-1021	Cartographers and Photogrammetrists	26	26	0	0.00	0	1	1	\$82,966	Bachelor's degree	None	None
17-1022	Surveyors	60	63	3	5.00	2	2	4	\$87,564	Bachelor's degree	Less than 5 years	None
17-2000	Engineers	9,278	9,323	45	0.49	78	214	292	N/A			
17-2011	Aerospace Engineers	440	441	1	0.23	0	10	10	\$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
17-2031	Biomedical Engineers	40	41	1	2.50	0	1	1	\$69,834	Bachelor's degree	None	None
17-2041	Chemical Engineers	126	122	-4	-3.17	0	4	4	\$110,899	Bachelor's degree	None	None

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17-2051	Civil Engineers	1,088	1,149	61	5.61	30	31	61	\$91,729	Bachelor's degree	None	None
17-2061	Computer Hardware Engineers	437	468	31	7.09	16	8	24	\$111,557	Bachelor's degree	None	None
17-2071	Electrical Engineers	442	448	6	1.36	3	10	13	\$105,016	Bachelor's degree	None	None
17-2072	Electronics Engineers, Except Computer	737	722	-15	-2.04	0	16	16	\$118,102	Bachelor's degree	None	None
17-2081	Environmental Engineers	356	363	7	1.97	4	10	14	\$99,296	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	204	209	5	2.45	2	6	8	\$99,459	Bachelor's degree	None	None
17-2112	Industrial Engineers	223	230	7	3.14	4	6	10	\$81,879	Bachelor's degree	None	None
17-2121	Marine Engineers and Naval Architects	440	438	-2	-0.45	0	11	11	\$127,862	Bachelor's degree	None	None
17-2131	Materials Engineers	181	184	3	1.66	2	6	8	\$112,789	Bachelor's degree	None	None
17-2141	Mechanical Engineers	755	790	35	4.64	18	24	42	\$96,353	Bachelor's degree	None	None
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	6	5	-1	-16.67	0	0	0	\$115,045	Bachelor's degree	None	None
17-2161	Nuclear Engineers	130	128	-2	-1.54	0	4	4	\$156,477	Bachelor's degree	None	None
17-2171	Petroleum Engineers	23	22	-1	-4.35	0	0	0	\$134,150	Bachelor's degree	None	None
17-2199	Engineers, All Other	3,647	3,560	-87	-2.39	0	66	66	\$132,361	Bachelor's degree	None	None
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	1,378	1,390	12	0.87	14	29	43	N/A			
17-3011	Architectural and Civil Drafters	326	344	18	5.52	9	4	13	\$48,778	Associate's degree	None	None
17-3012	Electrical and Electronics Drafters	25	26	1	4.00	0	0	0	\$82,305	Associate's degree	None	None
17-3013	Mechanical Drafters	11	12	1	9.09	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	180	181	1	0.56	0	4	4	\$69,949	Associate's degree	None	None
17-3023	Electrical and Electronics Engineering Technicians	351	354	3	0.85	2	8	10	\$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	6	0	0.00	0	0	0	\$44,317	Associate's degree	None	None
17-3027	Mechanical Engineering Technicians	61	66	5	8.20	2	2	4	\$125,380	Associate's degree	None	None
17-3029	Engineering Technicians, Except Drafters, All Other	402	385	-17	-4.23	0	10	10	\$89,117	Associate's degree	None	None
19-0000	Life, Physical, and Social Science Occupations	26,770	26,878	108	0.40	135	603	738	\$93,857			
19-1000	Life Scientists	1,865	1,892	27	1.45	22	56	78	N/A			
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	75	73	-2	-2.67	0	2	2	\$78,589	Bachelor's degree	None	None
19-1021	Biochemists and Biophysicists	45	46	1	2.22	0	1	1	\$55,918	PhD or Prof. degree	None	None
19-1022	Microbiologists	64	63	-1	-1.56	0	2	2	\$114,470	Bachelor's degree	None	None
19-1023	Zoologists and Wildlife Biologists	114	110	-4	-3.51	0	3	3	\$99,916	Bachelor's degree	None	None
19-1029	Biological Scientists, All Other	358	350	-8	-2.23	0	9	9	\$93,297	Bachelor's degree	None	None
19-1031	Conservation Scientists	161	166	5	3.11	2	6	8	\$76,657	Bachelor's degree	None	None
19-1032	Foresters	28	26	-2	-7.14	0	1	1	\$77,492	Bachelor's degree	None	None
19-1041	Epidemiologists	65	66	1	1.54	0	2	2	\$92,794	Master's degree	None	None
19-1042	Medical Scientists, Except Epidemiologists	904	940	36	3.98	18	28	46	\$85,365	PhD or Prof. degree	None	None
19-1099	Life Scientists, All Other	17	18	1	5.88	0	0	0	\$118,058	Bachelor's degree	None	None
19-2000	Physical Scientists	4,043	3,977	-66	-1.63	2	92	94	N/A			
19-2011	Astronomers	98	95	-3	-3.06	0	2	2	\$128,774	PhD or Prof. degree	None	None
19-2012	Physicists	582	567	-15	-2.58	0	10	10	\$118,310	PhD or Prof. degree	None	None
19-2021	Atmospheric and Space Scientists	68	71	3	4.41	2	1	3	\$90,767	Bachelor's degree	None	None
19-2031	Chemists	371	366	-5	-1.35	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	1,971	1,952	-19	-0.96	0	58	58	\$107,324	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	80	78	-2	-2.50	0	2	2	\$118,068	Bachelor's degree	None	None
19-2043	Hydrologists	60	60	0	0.00	0	2	2	\$88,162	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	801	776	-25	-3.12	0	6	6	\$132,351	Bachelor's degree	None	None
19-3000	Social Scientists and Related Workers	16,440	16,440	0	0.00	38	282	320	N/A			
19-3011	Economists	8,453	8,485	32	0.38	16	191	207	\$112,602	Master's degree	None	None
19-3022	Survey Researchers	590	598	8	1.36	4	6	10	\$73,296	Master's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	427	441	14	3.28	7	8	15	\$86,709	PhD or Prof. degree	None	Internship/residency

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19-3032	Industrial-Organizational Psychologists	12	12	0	0.00	0	0	0	\$92,997	Master's degree	None	Internship/residency
19-3039	Psychologists, All Other	262	260	-2	-0.76	0	5	5	\$96,876	Master's degree	None	Internship/residency
19-3041	Sociologists	157	162	5	3.18	2	2	4	\$79,581	Master's degree	None	None
19-3051	Urban and Regional Planners	241	241	0	0.00	0	5	5	\$93,851	Master's degree	None	None
19-3091	Anthropologists and Archeologists	78	77	-1	-1.28	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	303	298	-5	-1.65	0	3	3	\$99,908	Master's degree	None	None
19-3094	Political Scientists	1,619	1,636	17	1.05	8	17	25	\$110,894	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	4,281	4,214	-67	-1.57	0	44	44	\$94,186	Bachelor's degree	None	None
19-4000	Life, Physical, and Social Science Technicians	4,422	4,569	147	3.32	74	174	248	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	303	310	7	2.31	4	9	13	\$45,930	Bachelor's degree	None	None
19-4031	Chemical Technicians	75	80	5	6.67	2	2	4	\$42,143	Associate's degree	None	Moderate-term OJT
19-4061	Social Science Research Assistants	3,414	3,542	128	3.75	64	138	202	\$43,758	Bachelor's degree	None	None
19-4091	Environmental Science and Protection Technicians, Including Health	81	81	0	0.00	0	4	4	\$78,455	Associate's degree	None	None
19-4092	Forensic Science Technicians	178	183	5	2.81	2	7	9	\$81,145	Bachelor's degree	None	Moderate-term OJT
19-4093	Forest and Conservation Technicians	15	15	0	0.00	0	0	0	\$48,649	Associate's degree	None	None
19-4099	Life, Physical, and Social Science Technicians, All Other	348	350	2	0.57	1	14	15	\$56,321	Associate's degree	None	None
21-0000	Community and Social Service Occupations	11,861	12,277	416	3.51	211	240	451	\$51,607			
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	11,303	11,705	402	3.56	204	228	432	N/A			
21-1011	Substance Abuse and Behavioral Disorder Counselors	169	180	11	6.51	6	4	10	\$45,521	Bachelor's degree	None	None
21-1012	Educational, Guidance, School, and Vocational Counselors	1,364	1,421	57	4.18	28	27	55	\$58,884	Master's degree	None	None
21-1013	Marriage and Family Therapists	10	10	0	0.00	0	0	0	\$57,698	Master's degree	None	Internship/residency
21-1014	Mental Health Counselors	1,075	1,140	65	6.05	32	22	54	\$42,501	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	706	756	50	7.08	25	14	39	\$38,723	Master's degree	None	None
21-1019	Counselors, All Other	108	111	3	2.78	2	2	4	\$44,665	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	2,079	2,100	21	1.01	10	48	58	\$58,862	Bachelor's degree	None	None
21-1022	Healthcare Social Workers	632	656	24	3.80	12	14	26	\$63,913	Master's degree	None	None
21-1023	Mental Health and Substance Abuse Social Workers	378	408	30	7.94	15	9	24	\$47,514	Bachelor's degree	None	None
21-1029	Social Workers, All Other	352	347	-5	-1.42	0	8	8	\$74,974	Bachelor's degree	None	None
21-1091	Health Educators	848	859	11	1.30	6	15	21	\$83,709	Bachelor's degree	None	None
21-1092	Probation Officers and Correctional Treatment Specialists	84	83	-1	-1.19	0	2	2	\$68,173	Bachelor's degree	None	Short-term OJT
21-1093	Social and Human Service Assistants	2,024	2,108	84	4.15	42	36	78	\$36,366	HS or EQ	None	Short-term OJT
21-1094	Community Health Workers	856	890	34	3.97	17	16	33	\$60,892	HS or EQ	None	Short-term OJT
21-1099	Community and Social Service Specialists, All Other	618	636	18	2.91	9	11	20	\$44,762	Master's degree	None	None
21-2000	Religious Workers	558	572	14	2.51	7	12	19	N/A			
21-2011	Clergy	271	278	7	2.58	4	6	10	\$61,941	Bachelor's degree	None	Moderate-term OJT
21-2021	Directors, Religious Activities and Education	240	246	6	2.50	3	6	9	\$53,940	Bachelor's degree	Less than 5 years	None
21-2099	Religious Workers, All Other	47	48	1	2.13	0	1	1	\$70,842	Bachelor's degree	None	None
23-0000	Legal Occupations	47,328	49,649	2,321	4.90	1,168	674	1,842	\$147,287			
23-1000	Lawyers, Judges, and Related Workers	39,039	40,860	1,821	4.66	918	511	1,429	N/A			
23-1011	Lawyers	38,540	40,375	1,835	4.76	918	504	1,422	\$158,687	PhD or Prof. degree	None	None
23-1012	Judicial Law Clerks	16	16	0	0.00	0	0	0	\$48,131	PhD or Prof. degree	None	None
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	402	388	-14	-3.48	0	6	6	\$136,438	PhD or Prof. degree	5 years or more	Short-term OJT
23-1022	Arbitrators, Mediators, and Conciliators	81	81	0	0.00	0	1	1	\$89,669	Bachelor's degree	Less than 5 years	Moderate-term OJT
23-2000	Legal Support Workers	8,289	8,789	500	6.03	250	164	414	N/A			
23-2011	Paralegals and Legal Assistants	6,320	6,805	485	7.67	242	124	366	\$75,122	Associate's degree	None	None
23-2091	Court Reporters	81	83	2	2.47	1	2	3	\$47,315	Postse. non-degree	None	Short-term OJT
23-2093	Title Examiners, Abstractors, and Searchers	74	77	3	4.05	2	2	4	\$72,351	HS or EQ	None	Short-term OJT
23-2099	Legal Support Workers, All Other	1,814	1,824	10	0.55	5	36	41	\$60,036	HS or EQ	None	Short-term OJT
25-0000	Education, Training, and Library Occupations	34,010	35,389	1,379	4.05	696	673	1,369	\$62,404			
25-1000	Postsecondary Teachers	11,359	11,979	620	5.46	310	185	495	N/A			
25-1011	Business Teachers, Postsecondary	1,420	1,491	71	5.00	36	23	59	\$86,320	PhD or Prof. degree	None	None

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Soccode	Occupational Title	Employment		Change 2015-2017		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2015	2017	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
25-1021	Computer Science Teachers, Postsecondary	152	160	8	5.26	4	2	6	\$85,230	PhD or Prof. degree	None	None
25-1022	Mathematical Science Teachers, Postsecondary	206	218	12	5.83	6	4	10	\$76,118	PhD or Prof. degree	None	None
25-1031	Architecture Teachers, Postsecondary	260	273	13	5.00	6	4	10	\$60,664	PhD or Prof. degree	None	None
25-1032	Engineering Teachers, Postsecondary	151	159	8	5.30	4	2	6	\$93,779	PhD or Prof. degree	None	None
25-1041	Agricultural Sciences Teachers, Postsecondary	0	0	0	0.00	0	0	0	N/A	PhD or Prof. degree	None	None
25-1042	Biological Science Teachers, Postsecondary	231	244	13	5.63	6	4	10	\$76,840	PhD or Prof. degree	None	None
25-1052	Chemistry Teachers, Postsecondary	104	110	6	5.77	3	2	5	\$90,390	PhD or Prof. degree	None	None
25-1053	Environmental Science Teachers, Postsecondary	21	22	1	4.76	0	0	0	\$74,741	PhD or Prof. degree	None	None
25-1054	Physics Teachers, Postsecondary	114	121	7	6.14	4	2	6	\$89,402	PhD or Prof. degree	None	None
25-1061	Anthropology and Archeology Teachers, Postsecondary	44	47	3	6.82	2	0	2	\$82,656	PhD or Prof. degree	None	None
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	365	388	23	6.30	12	6	18	\$82,755	PhD or Prof. degree	None	None
25-1063	Economics Teachers, Postsecondary	258	271	13	5.04	6	4	10	\$97,719	PhD or Prof. degree	None	None
25-1064	Geography Teachers, Postsecondary	19	20	1	5.26	0	0	0	\$92,869	PhD or Prof. degree	None	None
25-1065	Political Science Teachers, Postsecondary	1,148	1,207	59	5.14	30	18	48	\$85,389	PhD or Prof. degree	None	None
25-1066	Psychology Teachers, Postsecondary	194	206	12	6.19	6	3	9	\$76,229	PhD or Prof. degree	None	None
25-1067	Sociology Teachers, Postsecondary	96	102	6	6.25	3	2	5	\$78,139	PhD or Prof. degree	None	None
25-1069	Social Sciences Teachers, Postsecondary, All Other	51	54	3	5.88	2	1	3	\$86,114	PhD or Prof. degree	None	None
25-1071	Health Specialties Teachers, Postsecondary	513	548	35	6.82	18	8	26	\$124,679	PhD or Prof. degree	Less than 5 years	None
25-1072	Nursing Instructors and Teachers, Postsecondary	291	311	20	6.87	10	4	14	\$71,337	Master's degree	Less than 5 years	None
25-1081	Education Teachers, Postsecondary	326	342	16	4.91	8	6	14	\$56,958	PhD or Prof. degree	Less than 5 years	None
25-1082	Library Science Teachers, Postsecondary	35	37	2	5.71	1	0	1	\$66,357	PhD or Prof. degree	None	None
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	70	75	5	7.14	2	1	3	\$66,422	PhD or Prof. degree	None	None
25-1112	Law Teachers, Postsecondary	1,060	1,140	80	7.55	40	17	57	\$95,907	PhD or Prof. degree	None	None
25-1113	Social Work Teachers, Postsecondary	20	21	1	5.00	0	0	0	\$77,659	PhD or Prof. degree	None	None
25-1121	Art, Drama, and Music Teachers, Postsecondary	539	566	27	5.01	14	9	23	\$74,024	Master's degree	None	None
25-1122	Communications Teachers, Postsecondary	256	269	13	5.08	6	4	10	\$73,684	PhD or Prof. degree	None	None
25-1123	English Language and Literature Teachers, Postsecondary	366	384	18	4.92	9	6	15	\$65,164	PhD or Prof. degree	None	None
25-1124	Foreign Language and Literature Teachers, Postsecondary	756	790	34	4.50	17	12	29	\$58,605	PhD or Prof. degree	None	None
25-1125	History Teachers, Postsecondary	171	180	9	5.26	4	3	7	\$83,928	PhD or Prof. degree	None	None
25-1126	Philosophy and Religion Teachers, Postsecondary	254	267	13	5.12	6	4	10	\$78,239	PhD or Prof. degree	None	None
25-1191	Graduate Teaching Assistants	502	524	22	4.38	11	8	19	\$40,687	Bachelor's degree	None	None
25-1192	Home Economics Teachers, Postsecondary	23	24	1	4.35	0	0	0	\$59,990	Master's degree	None	None
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	71	74	3	4.23	2	1	3	\$57,616	PhD or Prof. degree	None	None
25-1194	Vocational Education Teachers, Postsecondary	116	120	4	3.45	2	2	4	\$64,273	Bachelor's degree	Less than 5 years	None
25-1199	Postsecondary Teachers, All Other	1,155	1,213	58	5.02	29	19	48	\$60,173	PhD or Prof. degree	None	None
25-2000	Preschool, Primary, Secondary, and Special Education School Teachers	10,135	10,546	411	4.06	206	230	436	N/A			
25-2011	Preschool Teachers, Except Special Education	867	893	26	3.00	13	25	38	\$39,946	Associate's degree	None	None
25-2012	Kindergarten Teachers, Except Special Education	103	107	4	3.88	2	3	5	\$52,013	Bachelor's degree	None	Internship/residency
25-2021	Elementary School Teachers, Except Special Education	3,170	3,303	133	4.20	66	70	136	\$67,012	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Except Special and Career/Technical Education	1,751	1,824	73	4.17	36	39	75	\$68,309	Bachelor's degree	None	Internship/residency
25-2023	Career/Technical Education Teachers, Middle School	49	51	2	4.08	1	1	2	\$55,090	Bachelor's degree	Less than 5 years	Internship/residency
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	2,378	2,474	96	4.04	48	59	107	\$60,056	Bachelor's degree	None	Internship/residency
25-2032	Career/Technical Education Teachers, Secondary School	28	30	2	7.14	1	0	1	\$75,364	Bachelor's degree	Less than 5 years	Internship/residency
25-2051	Special Education Teachers, Preschool	3	4	1	33.33	0	0	0	\$44,772	Bachelor's degree	None	Internship/residency
25-2052	Special Education Teachers, Kindergarten and Elementary School	951	991	40	4.21	20	18	38	\$59,037	Bachelor's degree	None	Internship/residency
25-2053	Special Education Teachers, Middle School	240	250	10	4.17	5	4	9	\$60,553	Bachelor's degree	None	Internship/residency
25-2054	Special Education Teachers, Secondary School	479	499	20	4.18	10	8	18	\$64,256	Bachelor's degree	None	Internship/residency
25-2059	Special Education Teachers, All Other	116	120	4	3.45	2	2	4	\$62,352	Bachelor's degree	None	Internship/residency
25-3000	Other Teachers and Instructors	3,279	3,393	114	3.48	57	59	116	N/A			
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	174	179	5	2.87	2	3	5	\$48,296	Bachelor's degree	None	Internship/residency
25-3021	Self-Enrichment Education Teachers	479	507	28	5.85	14	8	22	\$52,297	HS or EQ	Less than 5 years	None
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	2,397	2,469	72	3.00	36	44	80	\$63,463	Bachelor's degree	None	Internship/residency
25-3098	Substitute Teachers	229	238	9	3.93	4	4	8	\$26,445	Bachelor's degree	None	Internship/residency

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Soccode	Occupational Title	Employment		Change 2015-2017		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2015	2017	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
25-4000	Librarians, Curators, and Archivists	2,963	2,997	34	1.15	23	92	115	N/A			
25-4011	Archivists	200	199	-1	-0.50	0	6	6	\$76,396	Master's degree	None	None
25-4012	Curators	177	176	-1	-0.56	0	5	5	\$82,831	Master's degree	None	None
25-4013	Museum Technicians and Conservators	562	552	-10	-1.78	0	16	16	\$65,846	Bachelor's degree	None	None
25-4021	Librarians	1,318	1,354	36	2.73	18	26	44	\$80,055	Master's degree	None	None
25-4031	Library Technicians	706	716	10	1.42	5	38	43	\$47,090	Postse. non-degree	None	None
25-9000	Other Education, Training, and Library Occupations	6,274	6,474	200	3.19	100	107	207	N/A			
25-9011	Audio-Visual and Multimedia Collections Specialists	56	59	3	5.36	2	0	2	\$59,734	Bachelor's degree	Less than 5 years	None
25-9031	Instructional Coordinators	1,839	1,869	30	1.63	15	12	27	\$84,032	Master's degree	5 years or more	None
25-9041	Teacher Assistants	4,044	4,210	166	4.10	83	92	175	\$31,579	Some college, no degree	None	None
25-9099	Education, Training, and Library Workers, All Other	335	336	1	0.30	0	2	2	\$52,034	Bachelor's degree	None	None
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	36,195	37,277	1,082	2.99	577	682	1,259	\$77,030			
27-1000	Art and Design Workers	5,470	5,526	56	1.02	54	120	174	N/A			
27-1011	Art Directors	351	359	8	2.28	4	6	10	\$95,922	Bachelor's degree	5 years or more	None
27-1012	Craft Artists	17	17	0	0.00	0	0	0	\$38,948	No formal educ.l credentia	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	126	7	5.88	4	2	6	\$73,570	Bachelor's degree	None	Moderate-term OJT
27-1019	Artists and Related Workers, All Other	1,900	1,850	-50	-2.63	0	36	36	\$89,122	No formal educ.l credentia	None	Long-term OJT
27-1021	Commercial and Industrial Designers	4	4	0	0.00	0	0	0	\$92,581	Bachelor's degree	None	None
27-1022	Fashion Designers	49	52	3	6.12	2	1	3	\$52,974	Bachelor's degree	None	None
27-1023	Floral Designers	114	111	-3	-2.63	0	2	2	\$28,860	HS or EQ	None	Moderate-term OJT
27-1024	Graphic Designers	1,586	1,622	36	2.27	18	38	56	\$73,701	Bachelor's degree	None	None
27-1025	Interior Designers	890	938	48	5.39	24	21	45	\$66,990	Bachelor's degree	None	None
27-1026	Merchandise Displayers and Window Trimmers	120	124	4	3.33	2	3	5	\$48,691	HS or EQ	None	Moderate-term OJT
27-1027	Set and Exhibit Designers	246	246	0	0.00	0	6	6	\$70,094	Bachelor's degree	None	None
27-1029	Designers, All Other	55	57	2	3.64	1	2	3	\$62,831	Bachelor's degree	None	None
27-2000	Entertainers and Performers, Sports and Related Workers	3,276	3,392	116	3.54	58	102	160	N/A			
27-2011	Actors	276	290	14	5.07	7	10	17	N/A	Some college, no degree	None	Long-term OJT
27-2012	Producers and Directors	1,873	1,934	61	3.26	30	57	87	\$82,876	Bachelor's degree	Less than 5 years	None
27-2021	Athletes and Sports Competitors	12	13	1	8.33	0	0	0	\$114,197	No formal educ.l credentia	None	Long-term OJT
27-2022	Coaches and Scouts	402	417	15	3.73	8	14	22	\$47,443	Bachelor's degree	None	None
27-2031	Dancers	105	110	5	4.76	2	4	6	N/A	No formal educ.l credentia	None	Long-term OJT
27-2032	Choreographers	43	44	1	2.33	0	2	2	\$46,293	HS or EQ	5 years or more	Long-term OJT
27-2041	Music Directors and Composers	118	123	5	4.24	2	3	5	\$52,676	Bachelor's degree	Less than 5 years	None
27-2042	Musicians and Singers	295	300	5	1.69	2	8	10	N/A	No formal educ.l credentia	None	Long-term OJT
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	152	161	9	5.92	4	5	9	N/A	No formal educ.l credentia	None	Short-term OJT
27-3000	Media and Communication Workers	24,675	25,488	813	3.29	412	420	832	N/A			
27-3011	Radio and Television Announcers	447	452	5	1.12	2	12	14	\$55,056	Bachelor's degree	None	Short-term OJT
27-3021	Broadcast News Analysts	92	92	0	0.00	0	3	3	\$67,503	Bachelor's degree	None	None
27-3022	Reporters and Correspondents	2,548	2,739	191	7.50	96	86	182	\$71,369	Bachelor's degree	None	None
27-3031	Public Relations Specialists	15,255	15,744	489	3.21	244	160	404	\$80,731	Bachelor's degree	None	None
27-3041	Editors	3,058	3,123	65	2.13	32	107	139	\$74,617	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	849	896	47	5.54	24	18	42	\$84,687	Bachelor's degree	Less than 5 years	Short-term OJT
27-3043	Writers and Authors	1,914	1,904	-10	-0.52	0	29	29	\$90,046	Bachelor's degree	None	Moderate-term OJT
27-3091	Interpreters and Translators	283	304	21	7.42	10	4	14	\$85,440	Bachelor's degree	None	Short-term OJT
27-3099	Media and Communication Workers, All Other	228	233	5	2.19	2	3	5	\$66,161	HS or EQ	None	Short-term OJT
27-4000	Media and Communication Equipment Workers	2,774	2,871	97	3.50	53	40	93	N/A			
27-4011	Audio and Video Equipment Technicians	549	587	38	6.92	19	9	28	\$52,551	Postse. non-degree	None	Short-term OJT
27-4012	Broadcast Technicians	533	549	16	3.00	8	9	17	\$81,889	Associate's degree	None	Short-term OJT
27-4013	Radio Operators	104	103	-1	-0.96	0	2	2	\$55,519	HS or EQ	None	Short-term OJT
27-4014	Sound Engineering Technicians	102	105	3	2.94	2	2	4	\$51,268	Postse. non-degree	None	Short-term OJT
27-4021	Photographers	250	260	10	4.00	5	6	11	\$54,225	HS or EQ	None	Long-term OJT
27-4031	Camera Operators, Television, Video, and Motion Picture	608	629	21	3.45	10	4	14	\$88,275	Bachelor's degree	None	None

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Soccode	Occupational Title	Employment		Change 2015-2017		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2015	2017	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
27-4032	Film and Video Editors	202	220	18	8.91	9	2	11	\$74,944	Bachelor's degree	None	None
27-4099	Media and Communication Equipment Workers, All Other	426	418	-8	-1.88	0	7	7	\$99,918	HS or EQ	None	Short-term OJT
29-0000	Healthcare Practitioners and Technical Occupations	31,449	32,176	727	2.31	378	662	1,040	\$75,685			
29-1000	Health Diagnosing and Treating Practitioners	22,351	22,826	475	2.13	244	500	744	N/A			
29-1011	Chiropractors	31	32	1	3.23	0	0	0	\$59,265	PhD or Prof. degree	None	None
29-1021	Dentists, General	247	255	8	3.24	4	4	8	\$91,454	PhD or Prof. degree	None	None
29-1022	Oral and Maxillofacial Surgeons	13	13	0	0.00	0	0	0	\$35,556	PhD or Prof. degree	None	Internship/residency
29-1029	Dentists, All Other Specialists	47	46	-1	-2.13	0	1	1	\$170,103	PhD or Prof. degree	None	Internship/residency
29-1031	Dietitians and Nutritionists	296	306	10	3.38	5	2	7	\$59,534	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	67	70	3	4.48	2	2	4	\$113,971	PhD or Prof. degree	None	None
29-1051	Pharmacists	715	734	19	2.66	10	16	26	\$116,853	PhD or Prof. degree	None	None
29-1061	Anesthesiologists	243	250	7	2.88	4	6	10	\$194,563	PhD or Prof. degree	None	Internship/residency
29-1062	Family and General Practitioners	649	647	-2	-0.31	0	16	16	\$183,802	PhD or Prof. degree	None	Internship/residency
29-1063	Internists, General	1,300	1,314	14	1.08	7	34	41	\$62,958	PhD or Prof. degree	None	Internship/residency
29-1064	Obstetricians and Gynecologists	132	134	2	1.52	1	4	5	\$133,242	PhD or Prof. degree	None	Internship/residency
29-1065	Pediatricians, General	319	318	-1	-0.31	0	8	8	\$76,334	PhD or Prof. degree	None	Internship/residency
29-1066	Psychiatrists	241	244	3	1.24	2	6	8	\$139,822	PhD or Prof. degree	None	Internship/residency
29-1067	Surgeons	432	439	7	1.62	4	11	15	\$178,756	PhD or Prof. degree	None	Internship/residency
29-1069	Physicians and Surgeons, All Other	2,270	2,287	17	0.75	8	58	66	\$175,977	PhD or Prof. degree	None	Internship/residency
29-1071	Physician Assistants	471	493	22	4.67	11	10	21	\$103,625	Master's degree	None	None
29-1081	Podiatrists	48	48	0	0.00	0	0	0	\$125,203	PhD or Prof. degree	None	Internship/residency
29-1122	Occupational Therapists	544	567	23	4.23	12	8	20	\$86,024	Master's degree	None	None
29-1123	Physical Therapists	723	750	27	3.73	14	18	32	\$82,830	PhD or Prof. degree	None	None
29-1124	Radiation Therapists	121	122	1	0.83	0	2	2	\$75,865	Associate's degree	None	None
29-1125	Recreational Therapists	191	199	8	4.19	4	4	8	\$51,605	Bachelor's degree	None	None
29-1126	Respiratory Therapists	405	410	5	1.23	2	8	10	\$67,163	Associate's degree	None	None
29-1127	Speech-Language Pathologists	409	428	19	4.65	10	10	20	\$86,776	Master's degree	None	None
29-1128	Exercise Physiologists	20	20	0	0.00	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	113	115	2	1.77	1	2	3	\$97,143	PhD or Prof. degree	None	None
29-1141	Registered Nurses	10,883	11,142	259	2.38	130	240	370	\$79,578	Bachelor's degree	None	None
29-1151	Nurse Anesthetists	114	115	1	0.88	0	2	2	\$158,619	Master's degree	None	None
29-1161	Nurse Midwives	19	19	0	0.00	0	0	0	\$105,432	Master's degree	None	None
29-1171	Nurse Practitioners	535	562	27	5.05	14	12	26	\$100,779	Master's degree	None	None
29-1181	Audiologists	72	75	3	4.17	2	2	4	\$93,474	PhD or Prof. degree	None	None
29-1199	Health Diagnosing and Treating Practitioners, All Other	671	662	-9	-1.34	0	14	14	\$115,027	Master's degree	None	None
29-2000	Health Technologists and Technicians	8,455	8,701	246	2.91	130	152	282	N/A			
29-2011	Medical and Clinical Laboratory Technologists	720	728	8	1.11	4	18	22	\$69,432	Bachelor's degree	None	None
29-2012	Medical and Clinical Laboratory Technicians	503	513	10	1.99	5	12	17	\$40,226	Associate's degree	None	None
29-2021	Dental Hygienists	459	475	16	3.49	8	6	14	\$105,552	Associate's degree	None	None
29-2031	Cardiovascular Technologists and Technicians	159	165	6	3.77	3	2	5	\$73,890	Associate's degree	None	None
29-2032	Diagnostic Medical Sonographers	157	165	8	5.10	4	2	6	\$89,107	Associate's degree	None	None
29-2033	Nuclear Medicine Technologists	66	65	-1	-1.52	0	1	1	\$77,872	Associate's degree	None	None
29-2034	Radiologic Technologists	544	545	1	0.18	0	8	8	\$75,386	Associate's degree	None	None
29-2035	Magnetic Resonance Imaging Technologists	82	81	-1	-1.22	0	2	2	\$86,478	Associate's degree	Less than 5 years	None
29-2041	Emergency Medical Technicians and Paramedics	1,237	1,228	-9	-0.73	0	18	18	\$59,788	Postse. non-degree	None	None
29-2051	Dietetic Technicians	26	27	1	3.85	0	0	0	\$36,274	Associate's degree	None	None
29-2052	Pharmacy Technicians	805	843	38	4.72	19	6	25	\$33,455	HS or EQ	None	Moderate-term OJT
29-2053	Psychiatric Technicians	118	124	6	5.08	3	1	4	\$35,177	Postse. non-degree	Less than 5 years	Short-term OJT
29-2054	Respiratory Therapy Technicians	133	129	-4	-3.01	0	1	1	\$71,809	Associate's degree	None	None
29-2055	Surgical Technologists	286	289	3	1.05	2	2	4	\$56,677	Postse. non-degree	None	None
29-2056	Veterinary Technologists and Technicians	66	69	3	4.55	2	0	2	\$32,831	Associate's degree	None	None
29-2057	Ophthalmic Medical Technicians	28	29	1	3.57	0	0	0	\$37,162	Postse. non-degree	None	None

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Soccode	Occupational Title	Employment		Change 2015-2017		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
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29-2061	Licensed Practical and Licensed Vocational Nurses	1,712	1,830	118	6.89	59	48	107	\$52,102	Postse. non-degree	None	None
29-2071	Medical Records and Health Information Technicians	630	647	17	2.70	8	12	20	\$48,626	Postse. non-degree	None	None
29-2081	Opticians, Dispensing	238	248	10	4.20	5	6	11	\$39,324	HS or EQ	None	Long-term OJT
29-2091	Orthotists and Prosthetists	26	26	0	0.00	0	0	0	\$58,190	Master's degree	None	Internship/residency
29-2099	Health Technologists and Technicians, All Other	460	475	15	3.26	8	4	12	\$42,528	HS or EQ	None	None
29-9000	Other Healthcare Practitioners and Technical Occupations	643	649	6	0.93	4	10	14	N/A			
29-9011	Occupational Health and Safety Specialists	362	360	-2	-0.55	0	6	6	\$86,080	Bachelor's degree	None	None
29-9012	Occupational Health and Safety Technicians	40	41	1	2.50	0	0	0	\$88,871	HS or EQ	None	Moderate-term OJT
29-9091	Athletic Trainers	100	105	5	5.00	2	2	4	\$53,221	Bachelor's degree	None	None
29-9092	Genetic Counselors	10	10	0	0.00	0	0	0	\$63,421	Master's degree	None	None
29-9099	Healthcare Practitioners and Technical Workers, All Other	131	133	2	1.53	1	2	3	\$74,512	Postse. non-degree	None	None
31-0000	Healthcare Support Occupations	13,332	14,472	1,140	8.55	570	279	849	\$29,273			
31-1000	Nursing, Psychiatric, and Home Health Aides	9,706	10,741	1,035	10.66	518	205	723	N/A			
31-1011	Home Health Aides	6,007	6,746	739	12.30	370	127	497	\$26,203	No formal educ.l credential	None	Short-term OJT
31-1013	Psychiatric Aides	116	128	12	10.34	6	2	8	\$27,516	HS or EQ	None	Short-term OJT
31-1014	Nursing Assistants	3,395	3,676	281	8.28	140	72	212	\$31,730	Postse. non-degree	None	None
31-1015	Orderlies	188	191	3	1.60	2	4	6	\$29,081	HS or EQ	None	Short-term OJT
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	351	365	14	3.99	7	10	17	N/A			
31-2011	Occupational Therapy Assistants	35	37	2	5.71	1	1	2	\$59,722	Associate's degree	None	None
31-2012	Occupational Therapy Aides	72	75	3	4.17	2	2	4	\$40,392	HS or EQ	None	Short-term OJT
31-2021	Physical Therapist Assistants	143	148	5	3.50	2	4	6	\$38,215	Associate's degree	None	None
31-2022	Physical Therapist Aides	101	105	4	3.96	2	2	4	\$31,488	HS or EQ	None	Short-term OJT
31-9000	Other Healthcare Support Occupations	3,275	3,366	91	2.78	46	64	110	N/A			
31-9011	Massage Therapists	120	124	4	3.33	2	0	2	\$23,605	Postse. non-degree	None	None
31-9091	Dental Assistants	555	573	18	3.24	9	14	23	\$40,583	Postse. non-degree	None	None
31-9092	Medical Assistants	1,532	1,587	55	3.59	28	30	58	\$38,644	Postse. non-degree	None	None
31-9093	Medical Equipment Preparers	191	192	1	0.52	0	4	4	\$38,763	HS or EQ	None	Moderate-term OJT
31-9094	Medical Transcriptionists	72	73	1	1.39	0	2	2	\$50,546	Postse. non-degree	None	None
31-9095	Pharmacy Aides	94	94	0	0.00	0	2	2	\$43,019	HS or EQ	None	Short-term OJT
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	192	195	3	1.56	2	4	6	\$36,536	HS or EQ	None	Short-term OJT
31-9097	Phlebotomists	184	188	4	2.17	2	4	6	\$38,720	Postse. non-degree	None	None
31-9099	Healthcare Support Workers, All Other	335	340	5	1.49	2	6	8	\$43,072	HS or EQ	None	None
33-0000	Protective Service Occupations	30,039	30,384	345	1.15	342	612	954	\$52,590			
33-1000	Supervisors of Protective Service Workers	2,715	2,699	-16	-0.59	14	82	96	N/A			
33-1011	First-Line Supervisors of Correctional Officers	41	40	-1	-2.44	0	1	1	\$75,188	HS or EQ	Less than 5 years	Moderate-term OJT
33-1012	First-Line Supervisors of Police and Detectives	1,425	1,386	-39	-2.74	0	48	48	\$121,106	HS or EQ	Less than 5 years	Moderate-term OJT
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	184	179	-5	-2.72	0	8	8	\$95,033	Postse. non-degree	Less than 5 years	Moderate-term OJT
33-1099	First-Line Supervisors of Protective Service Workers, All Other	1,065	1,094	29	2.72	14	26	40	\$48,325	HS or EQ	Less than 5 years	None
33-2000	Fire Fighting and Prevention Workers	671	656	-15	-2.24	0	19	19	N/A			
33-2011	Firefighters	622	608	-14	-2.25	0	18	18	\$73,029	Postse. non-degree	None	Long-term OJT
33-2021	Fire Inspectors and Investigators	49	48	-1	-2.04	0	2	2	\$82,985	Postse. non-degree	5 years or more	Moderate-term OJT
33-3000	Law Enforcement Workers	10,448	10,173	-275	-2.63	0	294	294	N/A			
33-3012	Correctional Officers and Jailers	806	798	-8	-0.99	0	22	22	\$53,380	HS or EQ	None	Moderate-term OJT
33-3021	Detectives and Criminal Investigators	3,438	3,333	-105	-3.05	0	74	74	\$128,649	HS or EQ	Less than 5 years	Moderate-term OJT
33-3041	Parking Enforcement Workers	239	222	-17	-7.11	0	7	7	\$51,089	HS or EQ	None	Short-term OJT
33-3051	Police and Sheriff's Patrol Officers	5,965	5,820	-145	-2.43	0	192	192	\$70,792	HS or EQ	None	Moderate-term OJT
33-9000	Other Protective Service Workers	16,205	16,856	651	4.02	327	216	543	N/A			
33-9011	Animal Control Workers	13	14	1	7.69	0	0	0	\$35,434	HS or EQ	None	Moderate-term OJT
33-9021	Private Detectives and Investigators	575	612	37	6.43	18	15	33	\$97,303	HS or EQ	Less than 5 years	Moderate-term OJT
33-9032	Security Guards	13,791	14,385	594	4.31	297	176	473	\$36,804	HS or EQ	None	Short-term OJT
33-9091	Crossing Guards	189	186	-3	-1.59	0	4	4	\$32,824	No formal educ.l credential	None	Short-term OJT
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	195	198	3	1.54	2	2	4	\$31,733	No formal educ.l credential	None	Short-term OJT
33-9099	Protective Service Workers, All Other	1,439	1,458	19	1.32	10	18	28	\$35,970	HS or EQ	None	Short-term OJT

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Soccode	Occupational Title	Employment		Change 2015-2017		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2015	2017	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
35-0000	Food Preparation and Serving Related Occupations	55,443	57,861	2,418	4.36	1,209	2,466	3,675	\$22,953			
35-1000	Supervisors of Food Preparation and Serving Workers	5,044	5,298	254	5.04	127	135	262	N/A			
35-1011	Chefs and Head Cooks	1,371	1,435	64	4.67	32	18	50	\$54,025	HS or EQ	5 years or more	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	3,673	3,863	190	5.17	95	118	213	\$40,932	HS or EQ	Less than 5 years	None
35-2000	Cooks and Food Preparation Workers	12,881	13,449	568	4.41	284	360	644	N/A			
35-2011	Cooks, Fast Food	2,100	2,106	6	0.29	3	56	59	\$20,007	No formal educ.I credentia	None	Short-term OJT
35-2012	Cooks, Institution and Cafeteria	1,394	1,462	68	4.88	34	38	72	\$32,535	No formal educ.I credentia	None	Short-term OJT
35-2013	Cooks, Private Household	33	34	1	3.03	0	1	1	N/A	Postse. non-degree	Less than 5 years	None
35-2014	Cooks, Restaurant	5,612	5,949	337	6.00	168	152	320	\$26,460	No formal educ.I credentia	Less than 5 years	Moderate-term OJT
35-2015	Cooks, Short Order	425	434	9	2.12	4	12	16	\$25,936	No formal educ.I credentia	None	Short-term OJT
35-2019	Cooks, All Other	40	42	2	5.00	1	1	2	\$25,404	No formal educ.I credentia	None	Moderate-term OJT
35-2021	Food Preparation Workers	3,277	3,422	145	4.42	72	102	174	\$22,935	No formal educ.I credentia	None	Short-term OJT
35-3000	Food and Beverage Serving Workers	25,901	27,078	1,177	4.54	588	1,183	1,771	N/A			
35-3011	Bartenders	3,644	3,844	200	5.49	100	134	234	\$23,076	No formal educ.I credentia	None	Short-term OJT
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	8,799	9,285	486	5.52	243	342	585	\$21,562	No formal educ.I credentia	None	Short-term OJT
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,315	1,367	52	3.95	26	122	148	\$22,429	No formal educ.I credentia	None	Short-term OJT
35-3031	Waiters and Waitresses	10,350	10,736	386	3.73	193	541	734	\$20,000	No formal educ.I credentia	None	Short-term OJT
35-3041	Food Servers, Nonrestaurant	1,793	1,846	53	2.96	26	42	68	\$26,161	No formal educ.I credentia	None	Short-term OJT
35-9000	Other Food Preparation and Serving Related Workers	11,617	12,036	419	3.61	210	787	997	N/A			
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	4,350	4,534	184	4.23	92	275	367	\$20,222	No formal educ.I credentia	None	Short-term OJT
35-9021	Dishwashers	4,419	4,531	112	2.53	56	245	301	\$22,947	No formal educ.I credentia	None	Short-term OJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,438	2,540	102	4.18	51	241	292	\$22,680	No formal educ.I credentia	None	None
35-9099	Food Preparation and Serving Related Workers, All Other	410	431	21	5.12	10	26	36	\$20,024	No formal educ.I credentia	None	Short-term OJT
37-0000	Building and Grounds Cleaning and Maintenance Occupations	26,905	28,039	1,134	4.21	567	510	1,077	\$29,930			
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	1,732	1,796	64	3.70	32	26	58	N/A			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,618	1,678	60	3.71	30	24	54	\$43,061	HS or EQ	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	114	118	4	3.51	2	2	4	\$73,907	HS or EQ	Less than 5 years	None
37-2000	Building Cleaning and Pest Control Workers	24,267	25,301	1,034	4.26	517	470	987	N/A			
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	17,179	17,955	776	4.52	388	309	697	\$28,435	No formal educ.I credentia	None	Short-term OJT
37-2012	Maids and Housekeeping Cleaners	7,034	7,289	255	3.63	128	159	287	\$34,058	No formal educ.I credentia	None	Short-term OJT
37-2019	Building Cleaning Workers, All Other	15	17	2	13.33	1	0	1	\$31,892	No formal educ.I credentia	None	Short-term OJT
37-2021	Pest Control Workers	39	40	1	2.56	0	1	1	\$53,873	HS or EQ	None	Moderate-term OJT
37-3000	Grounds Maintenance Workers	906	942	36	3.97	18	16	34	N/A			
37-3011	Landscaping and Groundskeeping Workers	753	780	27	3.59	14	13	27	\$35,092	No formal educ.I credentia	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	38	38	0	0.00	0	0	0	\$55,926	HS or EQ	None	Short-term OJT
37-3019	Grounds Maintenance Workers, All Other	91	99	8	8.79	4	2	6	\$30,263	No formal educ.I credentia	None	Short-term OJT
39-0000	Personal Care and Service Occupations	15,902	16,856	954	6.00	478	332	810	\$27,552			
39-1000	Supervisors of Personal Care and Service Workers	397	423	26	6.55	13	6	19	N/A			
39-1021	First-Line Supervisors of Personal Service Workers	395	421	26	6.58	13	6	19	\$43,908	HS or EQ	Less than 5 years	None
39-2000	Animal Care and Service Workers	240	253	13	5.42	6	4	10	N/A			
39-2011	Animal Trainers	5	6	1	20.00	0	0	0	\$41,730	HS or EQ	None	Moderate-term OJT
39-2021	Nonfarm Animal Caretakers	235	247	12	5.11	6	4	10	\$27,619	HS or EQ	None	Short-term OJT
39-3000	Entertainment Attendants and Related Workers	767	791	24	3.13	12	51	63	N/A			
39-3019	Gaming Service Workers, All Other	12	12	0	0.00	0	0	0	\$40,191	HS or EQ	None	Short-term OJT
39-3031	Ushers, Lobby Attendants, and Ticket Takers	488	502	14	2.87	7	38	45	\$25,295	No formal educ.I credentia	None	Short-term OJT
39-3091	Amusement and Recreation Attendants	80	83	3	3.75	2	4	6	\$23,712	No formal educ.I credentia	None	Short-term OJT
39-3092	Costume Attendants	94	98	4	4.26	2	4	6	\$40,262	HS or EQ	None	Short-term OJT
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	30	30	0	0.00	0	2	2	\$24,749	HS or EQ	None	Short-term OJT
39-3099	Entertainment Attendants and Related Workers, All Other	63	66	3	4.76	2	3	5	\$28,185	HS or EQ	None	Short-term OJT
39-4000	Funeral Service Workers	45	46	1	2.22	0	1	1	N/A			
39-4021	Funeral Attendants	14	14	0	0.00	0	0	0	\$23,880	HS or EQ	None	Short-term OJT
39-4031	Morticians, Undertakers, and Funeral Directors	30	31	1	3.33	0	0	0	\$62,129	Associate's degree	None	Long-term OJT

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39-5000	Personal Appearance Workers	1,763	1,840	77	4.37	38	36	74	N/A			
39-5011	Barbers	179	182	3	1.68	2	4	6	\$48,209	Postse. non-degree	None	None
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,223	1,282	59	4.82	30	30	60	\$26,761	Postse. non-degree	None	None
39-5091	Makeup Artists, Theatrical and Performance	53	56	3	5.66	2	0	2	\$104,948	Postse. non-degree	None	None
39-5092	Manicurists and Pedicurists	51	53	2	3.92	1	0	1	\$31,991	Postse. non-degree	None	None
39-5093	Shampoosers	166	173	7	4.22	4	1	5	\$20,010	No formal educ.l credentia	None	Short-term OJT
39-5094	Skincare Specialists	91	94	3	3.30	2	0	2	\$33,291	Postse. non-degree	None	None
39-6000	Baggage Porters, Bellhops, and Concierges	1,423	1,565	142	9.98	71	27	98	N/A			
39-6011	Baggage Porters and Bellhops	572	605	33	5.77	16	11	27	\$27,628	HS or EQ	None	Short-term OJT
39-6012	Concierges	851	960	109	12.81	54	16	70	\$30,857	HS or EQ	None	Moderate-term OJT
39-7000	Tour and Travel Guides	441	444	3	0.68	2	16	18	N/A			
39-7011	Tour Guides and Escorts	395	399	4	1.01	2	14	16	\$34,768	HS or EQ	None	Moderate-term OJT
39-7012	Travel Guides	46	45	-1	-2.17	0	2	2	\$50,064	HS or EQ	None	Moderate-term OJT
39-9000	Other Personal Care and Service Workers	10,826	11,494	668	6.17	334	190	524	N/A			
39-9011	Childcare Workers	3,322	3,410	88	2.65	44	102	146	\$22,890	HS or EQ	None	Short-term OJT
39-9021	Personal Care Aides	4,929	5,390	461	9.35	230	32	262	\$25,032	No formal educ.l credentia	None	Short-term OJT
39-9031	Fitness Trainers and Aerobics Instructors	1,177	1,224	47	3.99	24	20	44	\$36,970	HS or EQ	None	Short-term OJT
39-9032	Recreation Workers	596	603	7	1.17	4	10	14	\$47,099	HS or EQ	None	Short-term OJT
39-9041	Residential Advisors	704	765	61	8.66	30	24	54	\$29,454	HS or EQ	None	Short-term OJT
39-9099	Personal Care and Service Workers, All Other	98	102	4	4.08	2	2	4	\$29,099	HS or EQ	None	Short-term OJT
41-0000	Sales and Related Occupations	27,995	29,765	1,770	6.32	888	952	1,840	\$28,334			
41-1000	Supervisors of Sales Workers	2,328	2,450	122	5.24	61	46	107	N/A			
41-1011	First-Line Supervisors of Retail Sales Workers	1,746	1,831	85	4.87	42	40	82	\$43,599	HS or EQ	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	582	619	37	6.36	18	7	25	\$78,320	HS or EQ	Less than 5 years	None
41-2000	Retail Sales Workers	16,254	17,347	1,093	6.72	546	726	1,272	N/A			
41-2011	Cashiers	9,408	9,831	423	4.50	212	476	688	\$21,941	No formal educ.l credentia	None	Short-term OJT
41-2021	Counter and Rental Clerks	536	671	135	25.19	68	14	82	\$31,263	No formal educ.l credentia	None	Short-term OJT
41-2022	Parts Salespersons	24	27	3	12.50	2	0	2	\$29,514	No formal educ.l credentia	None	Moderate-term OJT
41-2031	Retail Salespersons	6,286	6,818	532	8.46	266	235	501	\$24,797	No formal educ.l credentia	None	Short-term OJT
41-3000	Sales Representatives, Services	5,985	6,279	294	4.91	148	126	274	N/A			
41-3011	Advertising Sales Agents	697	739	42	6.03	21	20	41	\$56,076	HS or EQ	None	Moderate-term OJT
41-3021	Insurance Sales Agents	461	474	13	2.82	6	12	18	\$47,324	HS or EQ	None	Moderate-term OJT
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,758	1,796	38	2.16	19	32	51	\$73,518	Bachelor's degree	None	Moderate-term OJT
41-3041	Travel Agents	483	481	-2	-0.41	0	8	8	\$39,071	HS or EQ	None	Moderate-term OJT
41-3099	Sales Representatives, Services, All Other	2,586	2,789	203	7.85	102	54	156	\$55,924	HS or EQ	None	Moderate-term OJT
41-4000	Sales Representatives, Wholesale and Manufacturing	1,658	1,734	76	4.58	38	34	72	N/A			
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	474	499	25	5.27	12	10	22	\$72,015	Bachelor's degree	None	Moderate-term OJT
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Pro	1,184	1,235	51	4.31	26	24	50	\$52,598	HS or EQ	None	Moderate-term OJT
41-9000	Other Sales and Related Workers	1,770	1,955	185	10.45	94	20	114	N/A			
41-9011	Demonstrators and Product Promoters	91	95	4	4.40	2	3	5	\$30,754	HS or EQ	None	Short-term OJT
41-9012	Models	5	5	0	0.00	0	0	0	\$37,740	No formal educ.l credentia	None	None
41-9021	Real Estate Brokers	233	273	40	17.17	20	2	22	\$119,609	HS or EQ	Less than 5 years	None
41-9022	Real Estate Sales Agents	935	1,069	134	14.33	67	6	73	\$64,747	HS or EQ	None	Moderate-term OJT
41-9031	Sales Engineers	78	85	7	8.97	4	2	6	\$113,736	Bachelor's degree	None	Moderate-term OJT
41-9041	Telemarketers	233	235	2	0.86	1	5	6	\$21,682	No formal educ.l credentia	None	Short-term OJT
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	5	6	1	20.00	0	0	0	\$22,958	No formal educ.l credentia	None	Short-term OJT
41-9099	Sales and Related Workers, All Other	190	187	-3	-1.58	0	2	2	\$38,172	HS or EQ	None	None
43-0000	Office and Administrative Support Occupations	86,621	89,274	2,653	3.06	1,497	1,596	3,093	\$46,556			
43-1000	Supervisors of Office and Administrative Support Workers	5,561	5,817	256	4.60	128	87	215	N/A			
43-1011	First-Line Supervisors of Office and Administrative Support Workers	5,561	5,817	256	4.60	128	87	215	\$71,036	HS or EQ	Less than 5 years	None
43-2000	Communications Equipment Operators	424	403	-21	-4.95	0	7	7	N/A			
43-2011	Switchboard Operators, Including Answering Service	365	348	-17	-4.66	0	6	6	\$37,034	HS or EQ	None	Short-term OJT
43-2021	Telephone Operators	53	49	-4	-7.55	0	2	2	\$38,160	HS or EQ	None	Short-term OJT

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43-2099	Communications Equipment Operators, All Other	6	6	0	0.00	0	0	0	\$68,462	HS or EQ	None	Short-term OJT
43-3000	Financial Clerks	7,172	7,339	167	2.33	86	136	222	N/A			
43-3011	Bill and Account Collectors	266	286	20	7.52	10	6	16	\$56,784	HS or EQ	None	Moderate-term OJT
43-3021	Billing and Posting Clerks	888	949	61	6.87	30	16	46	\$51,422	HS or EQ	None	Moderate-term OJT
43-3031	Bookkeeping, Accounting, and Auditing Clerks	3,931	4,008	77	1.96	38	38	76	\$52,443	Some college, no degree	None	Moderate-term OJT
43-3051	Payroll and Timekeeping Clerks	641	654	13	2.03	6	16	22	\$57,085	HS or EQ	None	Moderate-term OJT
43-3061	Procurement Clerks	349	343	-6	-1.72	0	12	12	\$52,656	HS or EQ	None	Moderate-term OJT
43-3071	Tellers	1,039	1,039	0	0.00	0	46	46	\$29,119	HS or EQ	None	Short-term OJT
43-3099	Financial Clerks, All Other	58	60	2	3.45	1	2	3	\$46,097	HS or EQ	None	Short-term OJT
43-4000	Information and Record Clerks	20,083	20,709	626	3.12	376	495	871	N/A			
43-4011	Brokerage Clerks	134	136	2	1.49	1	3	4	\$54,637	HS or EQ	None	Moderate-term OJT
43-4021	Correspondence Clerks	10	10	0	0.00	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
43-4051	Customer Service Representatives	6,924	7,262	338	4.88	169	161	330	\$39,716	HS or EQ	None	Short-term OJT
43-4061	Eligibility Interviewers, Government Programs	581	573	-8	-1.38	0	5	5	\$56,567	HS or EQ	None	Moderate-term OJT
43-4071	File Clerks	534	560	26	4.87	13	11	24	\$43,936	HS or EQ	None	Short-term OJT
43-4081	Hotel, Motel, and Resort Desk Clerks	796	834	38	4.77	19	44	63	\$34,336	HS or EQ	None	Short-term OJT
43-4111	Interviewers, Except Eligibility and Loan	255	258	3	1.18	2	5	7	\$39,156	HS or EQ	None	Short-term OJT
43-4121	Library Assistants, Clerical	455	485	30	6.59	15	14	29	\$35,330	HS or EQ	None	Short-term OJT
43-4131	Loan Interviewers and Clerks	178	186	8	4.49	4	3	7	\$45,093	HS or EQ	None	Short-term OJT
43-4141	New Accounts Clerks	61	60	-1	-1.64	0	2	2	\$43,971	HS or EQ	None	Moderate-term OJT
43-4151	Order Clerks	207	213	6	2.90	3	6	9	\$40,823	HS or EQ	None	Short-term OJT
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	979	986	7	0.72	4	9	13	\$52,269	Associate's degree	None	None
43-4171	Receptionists and Information Clerks	4,534	4,824	290	6.40	145	128	273	\$33,726	HS or EQ	None	Short-term OJT
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	225	228	3	1.33	2	3	5	\$46,128	HS or EQ	None	Short-term OJT
43-4199	Information and Record Clerks, All Other	4,182	4,066	-116	-2.77	0	101	101	\$53,100	HS or EQ	None	Short-term OJT
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	6,790	6,900	110	1.62	102	174	276	N/A			
43-5011	Cargo and Freight Agents	89	92	3	3.37	2	2	4	\$32,292	HS or EQ	None	Short-term OJT
43-5021	Couriers and Messengers	397	413	16	4.03	8	4	12	\$39,984	HS or EQ	None	Short-term OJT
43-5031	Police, Fire, and Ambulance Dispatchers	134	130	-4	-2.99	0	4	4	\$65,868	HS or EQ	None	Moderate-term OJT
43-5032	Dispatchers, Except Police, Fire, and Ambulance	583	593	10	1.72	5	15	20	\$40,764	HS or EQ	None	Moderate-term OJT
43-5051	Postal Service Clerks	131	124	-7	-5.34	0	2	2	\$56,798	HS or EQ	None	Short-term OJT
43-5052	Postal Service Mail Carriers	837	793	-44	-5.26	0	16	16	\$59,291	HS or EQ	None	Short-term OJT
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	545	505	-40	-7.34	0	7	7	\$56,794	HS or EQ	None	Short-term OJT
43-5061	Production, Planning, and Expediting Clerks	694	719	25	3.60	12	19	31	\$56,169	HS or EQ	None	Moderate-term OJT
43-5071	Shipping, Receiving, and Traffic Clerks	667	668	1	0.15	0	14	14	\$45,560	HS or EQ	None	Short-term OJT
43-5081	Stock Clerks and Order Fillers	2,696	2,845	149	5.53	74	92	166	\$28,730	No formal educ. I credential	None	Short-term OJT
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	17	18	1	5.88	0	0	0	\$27,359	HS or EQ	None	Short-term OJT
43-6000	Secretaries and Administrative Assistants	28,773	30,013	1,240	4.31	620	304	924	N/A			
43-6011	Executive Secretaries and Executive Administrative Assistants	7,473	7,593	120	1.61	60	79	139	\$61,879	HS or EQ	Less than 5 years	None
43-6012	Legal Secretaries	4,642	5,190	548	11.81	274	49	323	\$77,372	HS or EQ	None	Moderate-term OJT
43-6013	Medical Secretaries	1,633	1,685	52	3.18	26	17	43	\$37,990	HS or EQ	None	Moderate-term OJT
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	15,025	15,545	520	3.46	260	158	418	\$45,883	HS or EQ	None	Short-term OJT
43-9000	Other Office and Administrative Support Workers	17,818	18,093	275	1.54	184	393	577	N/A			
43-9011	Computer Operators	133	128	-5	-3.76	0	1	1	\$56,370	HS or EQ	None	Moderate-term OJT
43-9021	Data Entry Keyers	463	466	3	0.65	2	6	8	\$38,097	HS or EQ	None	Moderate-term OJT
43-9022	Word Processors and Typists	382	372	-10	-2.62	0	2	2	\$45,194	HS or EQ	None	Short-term OJT
43-9031	Desktop Publishers	54	57	3	5.56	2	2	4	\$52,986	Associate's degree	None	Short-term OJT
43-9041	Insurance Claims and Policy Processing Clerks	369	378	9	2.44	4	9	13	\$48,056	HS or EQ	None	Moderate-term OJT
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	1,339	1,262	-77	-5.75	0	30	30	\$43,338	HS or EQ	None	Short-term OJT
43-9061	Office Clerks, General	10,278	10,567	289	2.81	144	217	361	\$38,309	HS or EQ	None	Short-term OJT
43-9071	Office Machine Operators, Except Computer	937	935	-2	-0.21	0	20	20	\$39,200	HS or EQ	None	Short-term OJT
43-9081	Proofreaders and Copy Markers	54	54	0	0.00	0	1	1	\$46,829	Bachelor's degree	None	None

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43-9111	Statistical Assistants	310	320	10	3.23	5	13	18	\$49,386	Bachelor's degree	None	None
43-9199	Office and Administrative Support Workers, All Other	3,499	3,554	55	1.57	28	92	120	\$38,015	HS or EQ	None	Short-term OJT
45-0000	Farming, Fishing, and Forestry Occupations	373	372	-1	-0.27	1	10	11	\$35,380			
45-1000	Supervisors of Farming, Fishing, and Forestry Workers	8	8	0	0.00	0	0	0	N/A			
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	8	8	0	0.00	0	0	0	\$78,610	HS or EQ	Less than 5 years	None
45-2000	Agricultural Workers	344	343	-1	-0.29	1	10	11	N/A			
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	119	116	-3	-2.52	0	4	4	\$55,287	No formal educ.I credentia	None	Short-term OJT
45-2099	Agricultural Workers, All Other	219	221	2	0.91	1	6	7	\$29,432	No formal educ.I credentia	None	Short-term OJT
45-4000	Forest, Conservation, and Logging Workers	21	21	0	0.00	0	0	0	N/A			
45-4011	Forest and Conservation Workers	21	21	0	0.00	0	0	0	\$19,774	HS or EQ	None	Moderate-term OJT
47-0000	Construction and Extraction Occupations	13,053	13,890	837	6.41	422	206	628	\$49,697			
47-1000	Supervisors of Construction and Extraction Workers	1,179	1,246	67	5.68	34	10	44	N/A			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,179	1,246	67	5.68	34	10	44	\$75,803	HS or EQ	5 years or more	None
47-2000	Construction Trades Workers	10,506	11,214	708	6.74	354	169	523	N/A			
47-2021	Brickmasons and Blockmasons	146	151	5	3.42	2	2	4	\$57,857	HS or EQ	None	Apprenticeship
47-2022	Stonemasons	162	174	12	7.41	6	2	8	\$40,677	HS or EQ	None	Apprenticeship
47-2031	Carpenters	1,792	1,902	110	6.14	55	22	77	\$48,013	HS or EQ	None	Apprenticeship
47-2041	Carpet Installers	5	6	1	20.00	0	0	0	\$41,325	No formal educ.I credentia	None	Short-term OJT
47-2044	Tile and Marble Setters	70	74	4	5.71	2	1	3	\$37,959	No formal educ.I credentia	None	Long-term OJT
47-2051	Cement Masons and Concrete Finishers	413	446	33	7.99	16	6	22	\$46,731	No formal educ.I credentia	None	Moderate-term OJT
47-2061	Construction Laborers	3,405	3,686	281	8.25	140	67	207	\$38,361	No formal educ.I credentia	None	Short-term OJT
47-2071	Paving, Surfacing, and Tamping Equipment Operators	117	124	7	5.98	4	2	6	\$53,296	HS or EQ	None	Moderate-term OJT
47-2073	Operating Engineers and Other Construction Equipment Operators	548	591	43	7.85	22	9	31	\$56,335	HS or EQ	None	Moderate-term OJT
47-2081	Drywall and Ceiling Tile Installers	147	153	6	4.08	3	1	4	\$41,439	No formal educ.I credentia	None	Moderate-term OJT
47-2082	Tapers	11	12	1	9.09	0	0	0	\$55,992	No formal educ.I credentia	None	Moderate-term OJT
47-2111	Electricians	1,193	1,253	60	5.03	30	18	48	\$62,734	HS or EQ	None	Apprenticeship
47-2121	Glaziers	92	96	4	4.35	2	2	4	\$52,827	HS or EQ	None	Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	53	55	2	3.77	1	2	3	\$35,959	No formal educ.I credentia	None	Short-term OJT
47-2132	Insulation Workers, Mechanical	126	133	7	5.56	4	4	8	\$64,050	HS or EQ	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	562	603	41	7.30	20	9	29	\$47,206	No formal educ.I credentia	None	Moderate-term OJT
47-2151	Pipelayers	152	162	10	6.58	5	2	7	\$48,847	No formal educ.I credentia	None	Short-term OJT
47-2152	Plumbers, Pipefitters, and Steamfitters	896	944	48	5.36	24	12	36	\$65,139	HS or EQ	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	52	55	3	5.77	2	0	2	\$58,947	No formal educ.I credentia	None	Long-term OJT
47-2171	Reinforcing Iron and Rebar Workers	256	277	21	8.20	10	4	14	\$48,037	HS or EQ	None	Apprenticeship
47-2181	Roofers	41	43	2	4.88	1	0	1	\$37,693	No formal educ.I credentia	None	Moderate-term OJT
47-2211	Sheet Metal Workers	38	37	-1	-2.63	0	1	1	\$57,551	HS or EQ	None	Apprenticeship
47-2221	Structural Iron and Steel Workers	228	236	8	3.51	4	4	8	\$58,591	HS or EQ	None	Apprenticeship
47-3000	Helpers, Construction Trades	709	757	48	6.77	24	12	36	N/A			
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	17	18	1	5.88	0	0	0	\$40,098	No formal educ.I credentia	None	Short-term OJT
47-3012	Helpers--Carpenters	108	116	8	7.41	4	2	6	\$34,842	No formal educ.I credentia	None	Short-term OJT
47-3013	Helpers--Electricians	191	210	19	9.95	10	3	13	\$33,680	HS or EQ	None	Short-term OJT
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	357	378	21	5.88	10	6	16	\$33,526	HS or EQ	None	Short-term OJT
47-3019	Helpers, Construction Trades, All Other	36	35	-1	-2.78	0	0	0	\$20,038	No formal educ.I credentia	None	Short-term OJT
47-4000	Other Construction and Related Workers	646	658	12	1.86	8	14	22	N/A			
47-4011	Construction and Building Inspectors	391	404	13	3.32	6	10	16	\$76,236	HS or EQ	5 years or more	Moderate-term OJT
47-4021	Elevator Installers and Repairers	18	18	0	0.00	0	0	0	\$81,754	HS or EQ	None	Apprenticeship
47-4041	Hazardous Materials Removal Workers	101	100	-1	-0.99	0	2	2	\$42,478	HS or EQ	None	Moderate-term OJT
47-4051	Highway Maintenance Workers	34	33	-1	-2.94	0	1	1	\$55,297	HS or EQ	None	Moderate-term OJT
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	55	58	3	5.45	2	1	3	\$39,081	No formal educ.I credentia	None	Moderate-term OJT
47-4099	Construction and Related Workers, All Other	47	45	-2	-4.26	0	0	0	\$43,932	HS or EQ	None	Moderate-term OJT
47-5000	Extraction Workers	13	15	2	15.38	1	0	1	N/A			
47-5021	Earth Drillers, Except Oil and Gas	13	15	2	15.38	1	0	1	\$60,373	HS or EQ	None	Moderate-term OJT
49-0000	Installation, Maintenance, and Repair Occupations	9,041	9,987	946	10.46	488	204	692	\$52,469			

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49-1000	Supervisors of Installation, Maintenance, and Repair Workers	830	915	85	10.24	42	16	58	N/A			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	830	915	85	10.24	42	16	58	\$73,015	HS or EQ	Less than 5 years	None
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	1,125	1,231	106	9.42	56	16	72	N/A			
49-2011	Computer, Automated Teller, and Office Machine Repairers	113	111	-2	-1.77	0	2	2	\$53,511	Some college, no degree	None	Short-term OJT
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	428	509	81	18.93	40	4	44	\$66,443	Postse. non-degree	None	Moderate-term OJT
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	158	154	-4	-2.53	0	2	2	\$82,560	Postse. non-degree	None	Long-term OJT
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	305	310	5	1.64	2	6	8	\$81,496	Postse. non-degree	None	Long-term OJT
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	90	114	24	26.67	12	2	14	\$44,081	Postse. non-degree	None	Short-term OJT
49-2098	Security and Fire Alarm Systems Installers	31	33	2	6.45	1	0	1	\$59,406	HS or EQ	None	Moderate-term OJT
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	904	912	8	0.88	14	24	38	N/A			
49-3011	Aircraft Mechanics and Service Technicians	41	41	0	0.00	0	1	1	\$56,535	Postse. non-degree	None	None
49-3021	Automotive Body and Related Repairers	87	80	-7	-8.05	0	2	2	\$62,399	HS or EQ	None	Long-term OJT
49-3023	Automotive Service Technicians and Mechanics	457	443	-14	-3.06	0	12	12	\$57,280	Postse. non-degree	None	Short-term OJT
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	87	89	2	2.30	1	2	3	\$52,954	HS or EQ	None	Long-term OJT
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	64	71	7	10.94	4	2	6	\$67,764	HS or EQ	None	Long-term OJT
49-3051	Motorboat Mechanics and Service Technicians	3	3	0	0.00	0	0	0	\$49,485	HS or EQ	None	Long-term OJT
49-3052	Motorcycle Mechanics	2	2	0	0.00	0	0	0	\$45,492	Postse. non-degree	None	Short-term OJT
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	4	5	1	25.00	0	0	0	\$59,681	HS or EQ	None	Moderate-term OJT
49-3091	Bicycle Repairers	151	168	17	11.26	8	6	14	\$30,876	HS or EQ	None	Moderate-term OJT
49-3093	Tire Repairers and Changers	8	10	2	25.00	1	0	1	\$22,228	HS or EQ	None	Short-term OJT
49-9000	Other Installation, Maintenance, and Repair Occupations	6,182	6,929	747	12.08	375	148	523	N/A			
49-9011	Mechanical Door Repairers	36	37	1	2.78	0	1	1	\$39,299	HS or EQ	None	Moderate-term OJT
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	12	12	0	0.00	0	0	0	\$58,947	HS or EQ	None	Moderate-term OJT
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	326	350	24	7.36	12	5	17	\$66,175	Postse. 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	85	88	3	3.53	2	2	4	\$62,963	HS or EQ	None	Long-term OJT
49-9043	Maintenance Workers, Machinery	222	246	24	10.81	12	4	16	\$48,981	HS or EQ	None	Moderate-term OJT
49-9051	Electrical Power-Line Installers and Repairers	184	191	7	3.80	4	7	11	\$71,248	HS or EQ	None	Long-term OJT
49-9052	Telecommunications Line Installers and Repairers	322	420	98	30.43	49	6	55	\$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	59	61	2	3.39	1	1	2	\$47,556	Associate's degree	None	Moderate-term OJT
49-9071	Maintenance and Repair Workers, General	4,279	4,826	547	12.78	274	102	376	\$44,360	HS or EQ	None	Long-term OJT
49-9092	Commercial Divers	10	10	0	0.00	0	0	0	\$88,595	Postse. non-degree	None	Moderate-term OJT
49-9094	Locksmiths and Safe Repairers	54	52	-2	-3.70	0	2	2	\$59,677	HS or EQ	None	Long-term OJT
49-9096	Riggers	52	55	3	5.77	2	2	4	\$62,011	HS or EQ	None	Short-term OJT
49-9098	Helpers--Installation, Maintenance, and Repair Workers	353	391	38	10.76	19	12	31	\$38,701	HS or EQ	None	Short-term OJT
49-9099	Installation, Maintenance, and Repair Workers, All Other	166	169	3	1.81	2	2	4	\$30,701	HS or EQ	None	Moderate-term OJT
51-0000	Production Occupations	5,298	5,331	33	0.62	60	103	163	\$50,043			
51-1000	Supervisors of Production Workers	381	381	0	0.00	0	6	6	N/A			
51-1011	First-Line Supervisors of Production and Operating Workers	381	381	0	0.00	0	6	6	\$74,502	HS or EQ	Less than 5 years	None
51-2000	Assemblers and Fabricators	179	179	0	0.00	2	4	6	N/A			
51-2022	Electrical and Electronic Equipment Assemblers	8	8	0	0.00	0	0	0	\$30,753	HS or EQ	None	Moderate-term OJT
51-2023	Electromechanical Equipment Assemblers	8	8	0	0.00	0	0	0	\$24,875	HS or EQ	None	Moderate-term OJT
51-2041	Structural Metal Fabricators and Fitters	48	45	-3	-6.25	0	1	1	\$30,507	HS or EQ	None	Moderate-term OJT
51-2092	Team Assemblers	31	29	-2	-6.45	0	0	0	\$22,329	HS or EQ	None	Moderate-term OJT
51-2099	Assemblers and Fabricators, All Other	84	89	5	5.95	2	2	4	\$41,327	HS or EQ	None	Moderate-term OJT
51-3000	Food Processing Workers	631	653	22	3.49	11	12	23	N/A			
51-3011	Bakers	272	279	7	2.57	4	6	10	\$35,825	No formal educ.I credentia	None	Long-term OJT
51-3021	Butchers and Meat Cutters	300	311	11	3.67	6	6	12	\$42,595	No formal educ.I credentia	None	Long-term OJT
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	55	58	3	5.45	2	1	3	\$21,676	No formal educ.I credentia	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
51-4000	Metal Workers and Plastic Workers	135	136	1	0.74	2	3	5	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

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, 2015 - 2017*

Soccode	Occupational Title	Employment		Change 2015-2017		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2015	2017	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	6	7	1	16.67	0	0	0	\$37,569	HS or EQ	None	Moderate-term OJT
51-4041	Machinists	53	52	-1	-1.89	0	2	2	\$58,853	HS or EQ	None	Long-term OJT
51-4061	Model Makers, Metal and Plastic	7	7	0	0.00	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
51-4121	Welders, Cutters, Solderers, and Brazers	52	55	3	5.77	2	2	4	\$57,589	HS or EQ	None	Moderate-term OJT
51-4199	Metal Workers and Plastic Workers, All Other	6	5	-1	-16.67	0	0	0	\$82,378	HS or EQ	None	Moderate-term OJT
51-5100	Printing Workers	1,303	1,254	-49	-3.76	0	20	20	N/A			
51-5111	Prepress Technicians and Workers	316	304	-12	-3.80	0	5	5	\$76,078	Postse. non-degree	None	None
51-5112	Printing Press Operators	669	643	-26	-3.89	0	10	10	\$89,134	HS or EQ	None	Moderate-term OJT
51-5113	Print Binding and Finishing Workers	318	307	-11	-3.46	0	5	5	\$75,307	HS or EQ	None	Short-term OJT
51-6000	Textile, Apparel, and Furnishings Workers	950	963	13	1.37	11	18	29	N/A			
51-6011	Laundry and Dry-Cleaning Workers	550	567	17	3.09	8	8	16	\$32,599	No formal educ.l credentia	None	Short-term OJT
51-6021	Pressers, Textile, Garment, and Related Materials	110	111	1	0.91	0	2	2	\$20,049	No formal educ.l credentia	None	Short-term OJT
51-6031	Sewing Machine Operators	37	33	-4	-10.81	0	0	0	\$27,579	No formal educ.l credentia	None	Short-term OJT
51-6041	Shoe and Leather Workers and Repairers	31	29	-2	-6.45	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.l credentia	None	Moderate-term OJT
51-6052	Tailors, Dressmakers, and Custom Sewers	177	181	4	2.26	2	6	8	\$44,494	No formal educ.l credentia	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
51-6093	Upholsterers	8	7	-1	-12.50	0	0	0	\$42,523	HS or EQ	None	Moderate-term OJT
51-6099	Textile, Apparel, and Furnishings Workers, All Other	24	22	-2	-8.33	0	0	0	\$46,022	HS or EQ	None	Short-term OJT
51-7000	Woodworkers	158	152	-6	-3.80	0	2	2	N/A			
51-7011	Cabinetmakers and Bench Carpenters	146	141	-5	-3.42	0	1	1	\$43,860	HS or EQ	None	Moderate-term OJT
51-7099	Woodworkers, All Other	11	10	-1	-9.09	0	0	0	\$62,858	HS or EQ	None	Moderate-term OJT
51-8000	Plant and System Operators	1,040	1,093	53	5.10	30	26	56	N/A			
51-8012	Power Distributors and Dispatchers	11	11	0	0.00	0	0	0	\$93,613	HS or EQ	None	Long-term OJT
51-8013	Power Plant Operators	10	10	0	0.00	0	0	0	\$81,915	HS or EQ	None	Long-term OJT
51-8021	Stationary Engineers and Boiler Operators	616	671	55	8.93	28	15	43	\$71,243	HS or EQ	None	Long-term OJT
51-8031	Water and Wastewater Treatment Plant and System Operators	223	227	4	1.79	2	4	6	\$53,130	HS or EQ	None	Long-term OJT
51-8099	Plant and System Operators, All Other	179	173	-6	-3.35	0	6	6	\$63,976	HS or EQ	None	Long-term OJT
51-9000	Other Production Occupations	521	520	-1	-0.19	4	12	16	N/A			
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	37	38	1	2.70	0	1	1	\$30,010	HS or EQ	None	Moderate-term OJT
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	29	30	1	3.45	0	0	0	\$34,968	HS or EQ	None	Short-term OJT
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	75	75	0	0.00	0	2	2	\$53,881	HS or EQ	None	Moderate-term OJT
51-9081	Dental Laboratory Technicians	41	39	-2	-4.88	0	1	1	\$71,512	HS or EQ	None	Moderate-term OJT
51-9082	Medical Appliance Technicians	11	12	1	9.09	0	0	0	\$44,460	HS or EQ	None	Long-term OJT
51-9111	Packaging and Filling Machine Operators and Tenders	20	22	2	10.00	1	0	1	\$25,663	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	43	0	0.00	0	1	1	\$58,419	No formal educ.l credentia	None	Moderate-term OJT
51-9151	Photographic Process Workers and Processing Machine Operators	125	119	-6	-4.80	0	3	3	\$24,426	HS or EQ	None	Short-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	42	2	5.00	1	2	3	\$22,759	No formal educ.l credentia	None	Short-term OJT
51-9199	Production Workers, All Other	78	77	-1	-1.28	0	2	2	\$59,789	HS or EQ	None	Moderate-term OJT
53-0000	Transportation and Material Moving Occupations	15,859	16,273	414	2.61	244	431	675	\$37,081			
53-1000	Supervisors of Transportation and Material Moving Workers	555	573	18	3.24	9	17	26	N/A			
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	144	151	7	4.86	4	4	8	\$67,071	HS or EQ	Less than 5 years	None
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Oper	411	422	11	2.68	6	12	18	\$63,677	HS or EQ	Less than 5 years	None
53-2000	Air Transportation Workers	690	669	-21	-3.04	0	20	20	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	5	5	0	0.00	0	0	0	\$85,454	HS or EQ	None	Moderate-term OJT
53-2021	Air Traffic Controllers	681	660	-21	-3.08	0	20	20	\$117,378	Associate's degree	None	Long-term OJT
53-3000	Motor Vehicle Operators	8,598	8,842	244	2.84	130	132	262	N/A			
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	4	5	1	25.00	0	0	0	\$39,343	HS or EQ	None	Moderate-term OJT
53-3021	Bus Drivers, Transit and Intercity	298	312	14	4.70	7	4	11	\$34,893	HS or EQ	None	Moderate-term OJT

DISTRICT OF COLUMBIA SHORT-TERM OCCUPATIONAL PROJECTIONS, 2015 - 2017*

Soccode	Occupational Title	Employment		Change 2015-2017		Average Annual Openings			Annual	Education Value	Work Experience	Job Training
		2015	2017	Numeric	Percent	Replacement	Growth	Total	Median Wage**			
53-3022	Bus Drivers, School or Special Client	3,551	3,667	116	3.27	58	42	100	\$44,019	HS or EQ	None	Short-term OJT
53-3031	Driver/Sales Workers	332	346	14	4.22	7	6	13	\$23,948	HS or EQ	None	Short-term OJT
53-3032	Heavy and Tractor-Trailer Truck Drivers	482	504	22	4.56	11	8	19	\$48,390	Postse. non-degree	None	Short-term OJT
53-3033	Light Truck or Delivery Services Drivers	1,352	1,403	51	3.77	26	22	48	\$29,992	HS or EQ	None	Short-term OJT
53-3041	Taxi Drivers and Chauffeurs	1,971	2,012	41	2.08	20	34	54	\$30,936	No formal educ.l credentia	None	Short-term OJT
53-3099	Motor Vehicle Operators, All Other	608	593	-15	-2.47	0	18	18	\$50,825	No formal educ.l credentia	None	Short-term OJT
53-5000	Water Transportation Workers	37	37	0	0.00	0	1	1	N/A			
53-5021	Captains, Mates, and Pilots of Water Vessels	11	11	0	0.00	0	0	0	\$44,722	Postse. non-degree	Less than 5 years	None
53-5022	Motorboat Operators	21	21	0	0.00	0	0	0	\$55,377	Postse. non-degree	Less than 5 years	None
53-5031	Ship Engineers	4	4	0	0.00	0	0	0	\$25,058	Postse. non-degree	Less than 5 years	None
53-6000	Other Transportation Workers	3,406	3,493	87	2.55	56	188	244	N/A			
53-6021	Parking Lot Attendants	2,469	2,560	91	3.69	46	151	197	\$20,313	No formal educ.l credentia	None	Short-term OJT
53-6031	Automotive and Watercraft Service Attendants	81	101	20	24.69	10	4	14	\$26,118	No formal educ.l credentia	None	Short-term OJT
53-6041	Traffic Technicians	103	100	-3	-2.91	0	4	4	\$46,085	HS or EQ	None	Moderate-term OJT
53-6051	Transportation Inspectors	259	252	-7	-2.70	0	8	8	\$109,630	HS or EQ	None	Moderate-term OJT
53-6061	Transportation Attendants, Except Flight Attendants	13	14	1	7.69	0	0	0	\$53,078	HS or EQ	None	Short-term OJT
53-6099	Transportation Workers, All Other	479	464	-15	-3.13	0	22	22	\$37,401	HS or EQ	None	Short-term OJT
53-7000	Material Moving Workers	2,573	2,659	86	3.34	50	72	122	N/A			
53-7011	Conveyor Operators and Tenders	11	11	0	0.00	0	0	0	\$53,177	No formal educ.l credentia	None	Short-term OJT
53-7021	Crane and Tower Operators	49	59	10	20.41	5	2	7	\$65,631	HS or EQ	Less than 5 years	Moderate-term OJT
53-7032	Excavating and Loading Machine and Dragline Operators	8	9	1	12.50	0	0	0	\$56,778	HS or EQ	Less than 5 years	Moderate-term OJT
53-7051	Industrial Truck and Tractor Operators	52	51	-1	-1.92	0	1	1	\$51,864	No formal educ.l credentia	None	Short-term OJT
53-7061	Cleaners of Vehicles and Equipment	156	162	6	3.85	3	6	9	\$40,878	No formal educ.l credentia	None	Short-term OJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,435	1,488	53	3.69	26	44	70	\$35,171	No formal educ.l credentia	None	Short-term OJT
53-7064	Packers and Packers, Hand	226	250	24	10.62	12	6	18	\$23,292	No formal educ.l credentia	None	Short-term OJT
53-7081	Refuse and Recyclable Material Collectors	576	563	-13	-2.26	0	12	12	\$42,131	No formal educ.l credentia	None	Short-term OJT
53-7121	Tank Car, Truck, and Ship Loaders	21	22	1	4.76	0	0	0	\$43,976	No formal educ.l credentia	None	Short-term OJT
53-7199	Material Moving Workers, All Other	39	44	5	12.82	2	1	3	\$36,890	No formal educ.l credentia	None	Short-term OJT

Notes: *District of Columbia Short-Term Industry and Occupational Projections, 2015 - 2017

**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