

Table 2: DISTRICT OF COLUMBIA LONG-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2016 - 2026*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2016-2026, annual average			Occupational			Worker Characteristics		
		2016	2026	Change 2016-2026	Percent	Labor Force Exits	Occupational Transfers	Annual Numeric Change	Openings 2016-2026	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency	
00-0000	Total, All Occupations	789,314	849,587	60,273	7.64	32,484	46,375	6,027	84,886	\$67,870				
11-0000	Management Occupations	105,732	112,492	6,760	6.39	2,676	5,570	676	8,922	\$132,370				
11-1000	Top Executives	34,084	36,126	2,042	5.99	755	2,032	204	2,991					
11-1011	Chief Executives	3,382	3,206	-176	-5.20	95	135	-18	212	\$198,450	Bachelor's degree	5 years or more	None	
11-1021	General and Operations Managers	30,680	32,898	2,218	7.23	659	1,896	222	2,777	\$135,090	Bachelor's degree	5 years or more	None	
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	7,406	8,101	695	9.38	174	456	70	700					
11-2011	Advertising and Promotions Managers	243	278	35	14.40	7	19	4	30	\$103,760	Bachelor's degree	Less than 5 years	None	
11-2021	Marketing Managers	1,350	1,487	137	10.15	32	86	14	132	\$150,760	Bachelor's degree	5 years or more	None	
11-2022	Sales Managers	1,219	1,317	98	8.04	29	77	10	116	\$116,130	Bachelor's degree	Less than 5 years	None	
11-2031	Public Relations and Fundraising Managers	4,594	5,019	425	9.25	106	274	42	422	\$148,140	Bachelor's degree	5 years or more	None	
11-3000	Operations Specialties Managers	19,823	21,284	1,461	7.37	480	1,050	146	1,676					
11-3011	Administrative Services Managers	1,849	1,996	147	7.95	58	94	15	167	\$99,120	Bachelor's degree	Less than 5 years	None	
11-3021	Computer and Information Systems Managers	4,380	4,688	308	7.03	80	247	31	358	\$153,710	Bachelor's degree	5 years or more	None	
11-3031	Financial Managers	8,576	9,360	784	9.14	206	444	78	728	\$141,560	Bachelor's degree	5 years or more	None	
11-3061	Purchasing Managers	2,237	2,283	46	2.06	66	111	5	182	\$130,680	Bachelor's degree	5 years or more	None	
11-3071	Transportation, Storage, and Distribution Managers	529	542	13	2.46	12	28	1	41	\$136,620	HS or EQ	5 years or more	None	
11-3111	Compensation and Benefits Managers	123	125	2	1.63	3	6	0	9	\$131,990	Bachelor's degree	5 years or more	None	
11-3121	Human Resources Managers	1,789	1,902	113	6.32	46	99	11	156	\$146,690	Bachelor's degree	5 years or more	None	
11-3131	Training and Development Managers	298	345	47	15.77	9	19	5	33	\$126,920	Bachelor's degree	5 years or more	None	
11-9000	Other Management Occupations	44,419	46,981	2,562	5.77	1,267	2,032	256	3,555					
11-9021	Construction Managers	1,053	1,177	124	11.78	26	50	12	88	\$107,450	Bachelor's degree	None	Moderate-term OJT	
11-9031	Education Administrators, Preschool and Childcare Center/Program	312	364	52	16.67	10	15	5	30	\$53,470	Bachelor's degree	Less than 5 years	None	
11-9032	Education Administrators, Elementary and Secondary School	1,346	1,566	220	16.34	41	66	22	129	\$99,740	Master's degree	5 years or more	None	
11-9033	Education Administrators, Postsecondary	1,876	2,096	220	11.73	56	90	22	168	\$91,650	Master's degree	Less than 5 years	None	
11-9039	Education Administrators, All Other	777	844	67	8.62	23	37	7	67	\$101,310	Bachelor's degree	Less than 5 years	None	
11-9041	Architectural and Engineering Managers	2,079	2,151	72	3.46	43	102	7	152	\$141,550	Bachelor's degree	5 years or more	None	
11-9051	Food Service Managers	1,564	1,712	148	9.46	52	121	15	188	\$60,950	HS or EQ	Less than 5 years	None	
11-9081	Lodging Managers	164	173	9	5.49	6	11	1	18	\$68,810	HS or EQ	Less than 5 years	None	
11-9111	Medical and Health Services Managers	1,880	2,186	306	16.28	55	99	31	185	\$124,130	Bachelor's degree	Less than 5 years	None	
11-9121	Natural Sciences Managers	1,354	1,420	66	4.87	31	78	7	116	\$128,070	Bachelor's degree	5 years or more	None	
11-9141	Property, Real Estate, and Community Association Managers	2,181	2,352	171	7.84	94	76	17	187	\$71,860	HS or EQ	Less than 5 years	None	
11-9151	Social and Community Service Managers	1,219	1,395	176	14.44	43	68	18	129	\$83,350	Bachelor's degree	Less than 5 years	None	
11-9161	Emergency Management Directors	195	204	9	4.62	8	7	1	16	\$126,740	Bachelor's degree	5 years or more	None	
11-9199	Managers, All Other	28,393	29,315	922	3.25	780	1,211	92	2,083	\$130,690	Bachelor's degree	Less than 5 years	None	
13-0000	Business and Financial Operations Occupations	119,038	127,510	8,472	7.12	3,729	7,095	847	11,671	\$91,130				
13-1000	Business Operations Specialists	93,630	100,335	6,705	7.16	2,990	5,648	670	9,308					
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	198	205	7	3.54	8	14	1	23	\$73,720	Bachelor's degree	Less than 5 years	None	
13-1022	Wholesale and Retail Buyers, Except Farm Products	169	162	-7	-4.14	6	12	-1	17	\$47,290	Bachelor's degree	None	Moderate-term OJT	
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	3,252	3,018	-234	-7.20	93	173	-23	243	\$95,210	Bachelor's degree	None	Moderate-term OJT	
13-1031	Claims Adjusters, Examiners, and Investigators	773	719	-54	-6.99	19	42	-5	56	\$80,070	HS or EQ	None	Long-term OJT	
13-1041	Compliance Officers	4,849	5,223	374	7.71	141	254	37	432	\$86,440	Bachelor's degree	None	Moderate-term OJT	
13-1051	Cost Estimators	531	595	64	12.05	18	37	6	61	\$83,660	Bachelor's degree	None	Moderate-term OJT	
13-1071	Human Resources Specialists	8,032	8,385	353	4.39	238	540	35	813	\$91,940	Bachelor's degree	None	None	
13-1075	Labor Relations Specialists	362	337	-25	-6.91	10	23	-2	31	\$76,230	Bachelor's degree	Less than 5 years	None	
13-1081	Logisticians	1,443	1,573	130	9.01	37	106	13	156	\$99,700	Bachelor's degree	None	None	
13-1111	Management Analysts	23,777	25,907	2,130	8.96	798	1,284	213	2,295	\$98,260	Bachelor's degree	Less than 5 years	None	
13-1121	Meeting, Convention, and Event Planners	2,805	3,037	232	8.27	110	219	23	352	\$65,580	Bachelor's degree	None	None	
13-1131	Fundraisers	2,354	2,687	333	14.15	78	165	33	276	\$67,700	Bachelor's degree	None	None	
13-1141	Compensation, Benefits, and Job Analysis Specialists	512	538	26	5.08	13	28	3	44	\$80,530	Bachelor's degree	Less than 5 years	None	
13-1151	Training and Development Specialists	1,520	1,710	190	12.50	50	104	19	173	\$72,390	Bachelor's degree	Less than 5 years	None	
13-1161	Market Research Analysts and Marketing Specialists	5,866	7,174	1,308	22.30	173	448	131	752	\$64,690	Bachelor's degree	None	None	

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		2016	2026	Change 2016-2026		Labor Force	Occupational	Annual	Openings	Median	Typical Education	Work Experience	Typical on-the-job
				Numeric	Percent	Exits	Transfers	Numeric Change	2016-2026	Annual Wage**	Needed for Entry	in a related Occupation	training needed to attain competency
13-1199	Business Operations Specialists, All Other	37,149	39,028	1,879	5.06	1,195	2,197	188	3,580	\$92,980	Bachelor's degree	None	None
13-2000	Financial Specialists	25,408	27,175	1,767	6.95	739	1,447	177	2,363				
13-2011	Accountants and Auditors	12,761	13,603	842	6.60	389	758	84	1,231	\$86,460	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	299	341	42	14.05	11	9	4	24	\$95,210	Bachelor's degree	None	Long-term OJT
13-2031	Budget Analysts	2,238	2,351	113	5.05	62	105	11	178	\$95,220	Bachelor's degree	None	None
13-2041	Credit Analysts	243	251	8	3.29	6	14	1	21	\$98,100	Bachelor's degree	None	None
13-2051	Financial Analysts	3,166	3,604	438	13.83	67	213	44	324	\$89,700	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	584	673	89	15.24	16	31	9	56	\$113,600	Bachelor's degree	None	Long-term OJT
13-2061	Financial Examiners	690	710	20	2.90	20	32	2	54	\$155,080	Bachelor's degree	None	Long-term OJT
13-2071	Credit Counselors	93	105	12	12.90	2	6	1	9	\$50,840	Bachelor's degree	None	Moderate-term OJT
13-2072	Loan Officers	817	868	51	6.24	20	47	5	72	\$76,900	Bachelor's degree	None	Moderate-term OJT
13-2081	Tax Examiners and Collectors, and Revenue Agents	371	366	-5	-1.35	11	14	0	25		Bachelor's degree	None	Moderate-term OJT
13-2082	Tax Preparers	198	206	8	4.04	11	10	1	22		HS or EQ	None	Moderate-term OJT
13-2099	Financial Specialists, All Other	3,908	4,060	152	3.89	123	206	15	344	\$95,210	Bachelor's degree	None	Moderate-term OJT
15-0000	Computer and Mathematical Occupations	46,476	52,720	6,244	13.43	895	2,352	624	3,871	\$104,000			
15-1100	Computer Occupations	43,220	48,687	5,467	12.65	821	2,182	547	3,550				
15-1111	Computer and Information Research Scientists	760	926	166	21.84	12	43	17	72	\$121,830	Master's degree	None	None
15-1121	Computer Systems Analysts	4,751	5,440	689	14.50	93	228	69	390	\$99,030	Bachelor's degree	None	None
15-1122	Information Security Analysts	888	1,198	310	34.91	19	51	31	101	\$119,560	Bachelor's degree	Less than 5 years	None
15-1131	Computer Programmers	1,490	1,443	-47	-3.15	26	65	-5	86	\$93,440	Bachelor's degree	None	None
15-1132	Software Developers, Applications	2,430	3,262	832	34.24	39	140	83	262	\$112,830	Bachelor's degree	None	None
15-1133	Software Developers, Systems Software	3,264	3,842	578	17.71	49	174	58	281	\$107,690	Bachelor's degree	None	None
15-1134	Web Developers	1,468	1,648	180	12.26	29	79	18	126	\$85,300	Associate's degree	None	None
15-1141	Database Administrators	1,042	1,183	141	13.53	23	46	14	83	\$102,890	Bachelor's degree	None	None
15-1142	Network and Computer Systems Administrators	2,881	3,234	353	12.25	43	144	35	222	\$93,320	Bachelor's degree	None	None
15-1143	Computer Network Architects	1,307	1,479	172	13.16	20	69	17	106	\$106,770	Bachelor's degree	5 years or more	None
15-1151	Computer User Support Specialists	4,679	5,345	666	14.23	102	258	67	427	\$60,480	Some college, no degree	None	None
15-1152	Computer Network Support Specialists	837	967	130	15.53	18	46	13	77	\$87,570	Associate's degree	None	None
15-1199	Computer Occupations, All Other	17,423	18,720	1,297	7.44	349	839	130	1,318	\$116,150	Bachelor's degree	None	None
15-2000	Mathematical Science Occupations	3,256	4,033	777	23.86	74	170	78	322				
15-2011	Actuaries	249	261	12	4.82	3	12	1	16	\$119,780	Bachelor's degree	None	Long-term OJT
15-2021	Mathematicians	91	117	26	28.57	2	5	3	10	\$120,030	Master's degree	None	None
15-2031	Operations Research Analysts	1,120	1,373	253	22.59	26	47	25	98	\$115,040	Bachelor's degree	None	None
15-2041	Statisticians	1,713	2,198	485	28.31	41	101	48	190	\$104,430	Master's degree	None	None
15-2099	Mathematical Science Occupations, All Other	81	82	1	1.23	2	4	0	6		Bachelor's degree	None	None
17-0000	Architecture and Engineering Occupations	13,522	14,320	798	5.90	334	600	80	1,014	\$103,610			
17-1000	Architects, Surveyors, and Cartographers	2,252	2,296	44	1.95	58	101	4	163				
17-1011	Architects, Except Landscape and Naval	2,152	2,192	40	1.86	55	97	4	156	\$81,000	Bachelor's degree	None	Internship/residency
17-1012	Landscape Architects	62	63	1	1.61	2	3	0	5	\$89,790	Bachelor's degree	None	Internship/residency
17-2000	Engineers	9,677	10,332	655	6.77	226	411	66	703				
17-2011	Aerospace Engineers	416	424	8	1.92	10	15	1	26	\$135,120	Bachelor's degree	None	None
17-2031	Biomedical Engineers	53	59	6	11.32	1	2	1	4	\$69,260	Bachelor's degree	None	None
17-2041	Chemical Engineers	117	120	3	2.56	3	5	0	8	\$116,710	Bachelor's degree	None	None
17-2051	Civil Engineers	1,023	1,141	118	11.53	23	53	12	88	\$93,370	Bachelor's degree	None	None
17-2061	Computer Hardware Engineers	473	543	70	14.80	10	22	7	39	\$116,590	Bachelor's degree	None	None
17-2071	Electrical Engineers	505	548	43	8.51	12	21	4	37	\$109,440	Bachelor's degree	None	None
17-2072	Electronics Engineers, Except Computer	698	724	26	3.72	16	28	3	47		Bachelor's degree	None	None
17-2081	Environmental Engineers	365	387	22	6.03	9	15	2	26	\$100,760	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	169	182	13	7.69	4	7	1	12	\$101,380	Bachelor's degree	None	None
17-2112	Industrial Engineers	230	272	42	18.26	6	10	4	20	\$80,510	Bachelor's degree	None	None
17-2121	Marine Engineers and Naval Architects	894	1,025	131	14.65	22	35	13	70	\$124,480	Bachelor's degree	None	None

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		2016-2026		Change 2016-2026		Labor Force	Occupational	Annual	Occupational	Median	Typical Education	Work Experience	Typical on-the-job	
		2016	2026	Numeric	Percent	Exits	Transfers	Numeric Change	2016-2026	Annual Wage**	Needed for Entry	in a related Occupation	training needed to attain competency	
17-2131	Materials Engineers	188	197	9	4.79	6	7	1	14	\$114,270	Bachelor's degree	None	None	
17-2141	Mechanical Engineers	803	882	79	9.84	17	35	8	60	\$107,500	Bachelor's degree	None	None	
17-2161	Nuclear Engineers	130	133	3	2.31	4	6	0	10		Bachelor's degree	None	None	
17-2199	Engineers, All Other	3,581	3,663	82	2.29	84	146	8	238	\$133,410	Bachelor's degree	None	None	
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	1,593	1,692	99	6.21	51	87	10	148					
17-3011	Architectural and Civil Drafters	338	361	23	6.80	10	19	2	31	\$53,290	Associate's degree	None	None	
17-3012	Electrical and Electronics Drafters	121	126	5	4.13	4	7	0	11	\$80,910	Associate's degree	None	None	
17-3022	Civil Engineering Technicians	179	188	9	5.03	6	10	1	17	\$72,030	Associate's degree	None	None	
17-3023	Electrical and Electronics Engineering Technicians	386	423	37	9.59	13	21	4	38	\$75,220	Associate's degree	None	None	
17-3027	Mechanical Engineering Technicians	139	153	14	10.07	5	8	1	14		Associate's degree	None	None	
17-3029	Engineering Technicians, Except Drafters, All Other	415	425	10	2.41	13	22	1	36	\$90,410	Associate's degree	None	None	
19-0000	Life, Physical, and Social Science Occupations	27,546	29,012	1,466	5.32	668	1,733	147	2,548	\$98,140				
19-1000	Life Scientists	1,815	2,002	187	10.30	38	122	19	179					
19-1013	Soil and Plant Scientists	75	77	2	2.67	2	6	0	8	\$77,580	Bachelor's degree	None	None	
19-1022	Microbiologists	67	69	2	2.99	1	4	0	5	\$112,480	Bachelor's degree	None	None	
19-1023	Zoologists and Wildlife Biologists	119	121	2	1.68	2	8	0	10	\$101,360	Bachelor's degree	None	None	
19-1029	Biological Scientists, All Other	356	363	7	1.97	7	23	1	31	\$87,840	Bachelor's degree	None	None	
19-1031	Conservation Scientists	274	305	31	11.31	6	18	3	27		Bachelor's degree	None	None	
19-1041	Epidemiologists	61	71	10	16.39	1	4	1	6	\$93,360	Master's degree	None	None	
19-1042	Medical Scientists, Except Epidemiologists	750	874	124	16.53	15	52	12	79	\$73,680	Doctoral or prof. degree	None	None	
19-2000	Physical Scientists	3,986	4,177	191	4.79	85	257	19	361					
19-2011	Astronomers	99	101	2	2.02	2	6	0	8		Doctoral or prof. degree	None	None	
19-2012	Physicists	717	761	44	6.14	15	42	4	61	\$144,710	Doctoral or prof. degree	None	None	
19-2021	Atmospheric and Space Scientists	76	93	17	22.37	2	4	2	8	\$86,950	Bachelor's degree	None	None	
19-2031	Chemists	346	354	8	2.31	9	22	1	32	\$119,800	Bachelor's degree	None	None	
19-2041	Environmental Scientists and Specialists, Including Health	1,746	1,839	93	5.33	39	123	9	171	\$112,520	Bachelor's degree	None	None	
19-2042	Geoscientists, Except Hydrologists and Geographers	79	83	4	5.06	2	6	0	8	\$119,790	Bachelor's degree	None	None	
19-2043	Hydrologists	64	69	5	7.81	1	5	0	6		Bachelor's degree	None	None	
19-2099	Physical Scientists, All Other	848	866	18	2.12	15	50	2	67	\$127,050	Bachelor's degree	None	None	
19-3000	Social Scientists and Related Workers	17,004	17,726	722	4.25	352	990	72	1,414					
19-3011	Economists	9,097	9,640	543	5.97	130	518	54	702	\$114,150	Master's degree	None	None	
19-3022	Survey Researchers	550	485	-65	-11.82	15	32	-6	41	\$73,720	Master's degree	None	None	
19-3031	Clinical, Counseling, and School Psychologists	486	545	59	12.14	13	20	6	39	\$82,560	Doctoral or prof. degree	None	Internship/residency	
19-3039	Psychologists, All Other	267	291	24	8.99	7	11	2	20	\$98,150	Master's degree	None	Internship/residency	
19-3041	Sociologists	91	106	15	16.48	3	6	2	11		Master's degree	None	None	
19-3051	Urban and Regional Planners	273	315	42	15.38	6	18	4	28	\$96,220	Master's degree	None	None	
19-3091	Anthropologists and Archeologists	81	84	3	3.70	2	5	0	7	\$92,150	Master's degree	None	None	
19-3093	Historians	233	238	5	2.15	7	14	0	21		Master's degree	None	None	
19-3094	Political Scientists	1,752	1,821	69	3.94	51	110	7	168	\$119,790	Master's degree	None	None	
19-3099	Social Scientists and Related Workers, All Other	4,142	4,169	27	0.65	118	255	3	376	\$95,210	Bachelor's degree	None	None	
19-4000	Life, Physical, and Social Science Technicians	4,741	5,107	366	7.72	192	364	37	593					
19-4021	Biological Technicians	301	332	31	10.30	8	22	3	33	\$47,780	Bachelor's degree	None	None	
19-4031	Chemical Technicians	50	54	4	8.00	2	3	0	5	\$48,870	Associate's degree	None	Moderate-term OJT	
19-4061	Social Science Research Assistants	3,783	4,066	283	7.48	157	292	28	477	\$44,310	Bachelor's degree	None	None	
19-4091	Environmental Science and Protection Technicians, Including Health	51	54	3	5.88	2	4	0	6	\$79,750	Associate's degree	None	None	
19-4092	Forensic Science Technicians	174	194	20	11.49	7	14	2	23		Bachelor's degree	None	Moderate-term OJT	
19-4099	Life, Physical, and Social Science Technicians, All Other	350	371	21	6.00	14	27	2	43	\$58,770	Associate's degree	None	None	
21-0000	Community and Social Service Occupations	12,243	14,185	1,942	15.86	529	894	194	1,617	\$52,240				
21-1000	Counselors, Social Workers, and Other Community and Social Service Special	11,764	13,669	1,905	16.19	503	859	190	1,552					
21-1011	Substance Abuse and Behavioral Disorder Counselors	171	209	38	22.22	7	12	4	23	\$45,050	Bachelor's degree	None	None	
21-1012	Educational, Guidance, School, and Vocational Counselors	1,528	1,802	274	17.93	61	109	27	197	\$60,370	Master's degree	None	None	

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21-1014	Mental Health Counselors	952	1,140	188	19.75	38	68	19	125	\$43,090	Master's degree	None	Internship/residency	
21-1015	Rehabilitation Counselors	841	948	107	12.72	33	58	11	102	\$33,300	Master's degree	None	None	
21-1019	Counselors, All Other	191	231	40	20.94	8	14	4	26	\$45,080	Master's degree	None	None	
21-1021	Child, Family, and School Social Workers	2,134	2,419	285	13.36	82	145	28	255	\$61,060	Bachelor's degree	None	None	
21-1022	Healthcare Social Workers	591	695	104	17.60	23	41	10	74	\$62,960	Master's degree	None	Internship/residency	
21-1023	Mental Health and Substance Abuse Social Workers	494	596	102	20.65	20	35	10	65	\$53,860	Master's degree	None	Internship/residency	
21-1029	Social Workers, All Other	347	367	20	5.76	13	23	2	38	\$73,960	Bachelor's degree	None	None	
21-1091	Health Educators	747	814	67	8.97	35	58	7	100	\$83,820	Bachelor's degree	None	None	
21-1092	Probation Officers and Correctional Treatment Specialists	96	112	16	16.67	3	6	2	11	\$58,450	Bachelor's degree	None	Short-term OJT	
21-1093	Social and Human Service Assistants	2,145	2,522	377	17.58	104	167	38	309	\$39,780	HS or EQ	None	Short-term OJT	
21-1094	Community Health Workers	788	949	161	20.43	39	64	16	119	\$62,850	HS or EQ	None	Short-term OJT	
21-1099	Community and Social Service Specialists, All Other	728	851	123	16.90	36	59	12	107	\$45,040	Bachelor's degree	None	None	
21-2000	Religious Workers	479	516	37	7.72	26	34	4	64					
21-2011	Clergy	117	125	8	6.84	6	7	1	14	\$67,040	Bachelor's degree	None	Moderate-term OJT	
21-2021	Directors, Religious Activities and Education	187	208	21	11.23	9	15	2	26	\$61,670	Bachelor's degree	Less than 5 years	None	
21-2099	Religious Workers, All Other	175	183	8	4.57	12	12	1	25	\$65,200	Bachelor's degree	None	None	
23-0000	Legal Occupations	48,351	51,487	3,136	6.49	1,112	1,431	314	2,857	\$149,790				
23-1000	Lawyers, Judges, and Related Workers	39,897	42,314	2,417	6.06	816	889	242	1,947					
23-1011	Lawyers	39,358	41,766	2,408	6.12	806	877	241	1,924	\$160,290	Doctoral or prof. degree	None	None	
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	409	417	8	1.96	8	9	1	18		Doctoral or prof. degree	5 years or more	Short-term OJT	
23-1022	Arbitrators, Mediators, and Conciliators	116	117	1	0.86	2	2	0	4	\$82,660	Bachelor's degree	Less than 5 years	Moderate-term OJT	
23-2000	Legal Support Workers	8,454	9,173	719	8.50	296	542	72	910					
23-2011	Paralegals and Legal Assistants	6,336	7,005	669	10.56	220	444	67	731	\$73,490	Associate's degree	None	None	
23-2091	Court Reporters	106	112	6	5.66	4	5	1	10	\$48,130	Postsecondary non-deg	None	Short-term OJT	
23-2093	Title Examiners, Abstractors, and Searchers	73	71	-2	-2.74	2	3	0	5	\$65,330	HS or EQ	None	Moderate-term OJT	
23-2099	Legal Support Workers, All Other	1,939	1,985	46	2.37	69	90	5	164	\$61,920	Associate's degree	None	None	
25-0000	Education, Training, and Library Occupations	34,278	39,041	4,763	13.90	1,547	1,498	476	3,521	\$64,010				
25-1000	Postsecondary Teachers	11,713	13,331	1,618	13.81	459	477	162	1,098					
25-1011	Business Teachers, Postsecondary	1,463	1,788	325	22.21	60	62	32	154	\$91,130	Doctoral or prof. degree	None	None	
25-1021	Computer Science Teachers, Postsecondary	158	174	16	10.13	6	6	2	14	\$90,970	Doctoral or prof. degree	None	None	
25-1022	Mathematical Science Teachers, Postsecondary	199	219	20	10.05	8	8	2	18	\$76,490	Doctoral or prof. degree	None	None	
25-1031	Architecture Teachers, Postsecondary	214	238	24	11.21	8	9	2	19		Doctoral or prof. degree	None	None	
25-1032	Engineering Teachers, Postsecondary	127	146	19	14.96	5	5	2	12		Doctoral or prof. degree	None	None	
25-1042	Biological Science Teachers, Postsecondary	232	269	37	15.95	9	10	4	23	\$78,500	Doctoral or prof. degree	None	None	
25-1052	Chemistry Teachers, Postsecondary	103	114	11	10.68	4	4	1	9	\$92,610	Doctoral or prof. degree	None	None	
25-1054	Physics Teachers, Postsecondary	90	99	9	10.00	4	4	1	9	\$86,210	Doctoral or prof. degree	None	None	
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	384	425	41	10.68	15	15	4	34		Doctoral or prof. degree	None	None	
25-1063	Economics Teachers, Postsecondary	254	282	28	11.02	10	10	3	23	\$90,120	Doctoral or prof. degree	None	None	
25-1065	Political Science Teachers, Postsecondary	1,348	1,496	148	10.98	52	54	15	121	\$84,680	Doctoral or prof. degree	None	None	
25-1066	Psychology Teachers, Postsecondary	191	223	32	16.75	8	8	3	19	\$72,400	Doctoral or prof. degree	None	None	
25-1067	Sociology Teachers, Postsecondary	74	82	8	10.81	3	3	1	7	\$75,110	Doctoral or prof. degree	None	None	
25-1071	Health Specialties Teachers, Postsecondary	584	740	156	26.71	24	25	16	65		Doctoral or prof. degree	Less than 5 years	None	
25-1072	Nursing Instructors and Teachers, Postsecondary	244	311	67	27.46	10	11	7	28	\$70,110	Doctoral or prof. degree	Less than 5 years	None	
25-1081	Education Teachers, Postsecondary	274	304	30	10.95	11	11	3	25	\$59,320	Doctoral or prof. degree	Less than 5 years	None	
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	84	98	14	16.67	3	4	1	8	\$65,170	Doctoral or prof. degree	None	None	
25-1112	Law Teachers, Postsecondary	1,036	1,166	130	12.55	40	42	13	95	\$98,270	Doctoral or prof. degree	Less than 5 years	None	
25-1121	Art, Drama, and Music Teachers, Postsecondary	566	635	69	12.19	22	23	7	52	\$73,440	Master's degree	None	None	
25-1122	Communications Teachers, Postsecondary	241	266	25	10.37	9	10	2	21	\$70,990	Doctoral or prof. degree	None	None	
25-1123	English Language and Literature Teachers, Postsecondary	336	371	35	10.42	13	14	4	31	\$64,820	Doctoral or prof. degree	None	None	
25-1124	Foreign Language and Literature Teachers, Postsecondary	808	909	101	12.50	31	33	10	74	\$54,980	Doctoral or prof. degree	None	None	
25-1125	History Teachers, Postsecondary	108	120	12	11.11	4	4	1	9	\$79,690	Doctoral or prof. degree	None	None	

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Soccode	Occupational Title	Employment Projections				Occupational Separations, 2016-2026, annual average			Occupational		Worker Characteristics		
		2016-2026		Change 2016-2026		Labor Force	Occupational	Annual	Openings	Median	Typical Education	Work Experience	Typical on-the-job
		2016	2026	Numeric	Percent	Exits	Transfers	Numeric Change	2016-2026	Annual Wage**	Needed for Entry	in a related Occupation	training needed to attain competency
25-1126	Philosophy and Religion Teachers, Postsecondary	358	406	48	13.41	14	15	5	34	\$67,870	Doctoral or prof. degree	None	None
25-1191	Graduate Teaching Assistants	515	554	39	7.57	20	20	4	44		Bachelor's degree	None	None
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	73	80	7	9.59	3	3	1	7	\$58,890	Doctoral or prof. degree	None	None
25-1194	Vocational Education Teachers, Postsecondary	111	120	9	8.11	4	4	1	9	\$70,030	Bachelor's degree	Less than 5 years	None
25-1199	Postsecondary Teachers, All Other	1,409	1,554	145	10.29	54	56	14	124	\$63,860	Doctoral or prof. degree	None	None
25-2000	Preschool, Primary, Secondary, and Special Education School Teachers	10,510	12,206	1,696	16.14	379	440	170	989				
25-2011	Preschool Teachers, Except Special Education	1,017	1,189	172	16.91	48	59	17	124	\$34,290	Associate's degree	None	None
25-2012	Kindergarten Teachers, Except Special Education	68	79	11	16.18	3	4	1	8	\$60,210	Bachelor's degree	None	None
25-2021	Elementary School Teachers, Except Special Education	2,827	3,288	461	16.31	101	113	46	260	\$72,880	Bachelor's degree	None	None
25-2022	Middle School Teachers, Except Special and Career/Technical Education	1,473	1,718	245	16.63	53	59	24	136	\$69,710	Bachelor's degree	None	None
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	3,165	3,653	488	15.42	104	127	49	280	\$61,160	Bachelor's degree	None	None
25-2052	Special Education Teachers, Kindergarten and Elementary School	753	873	120	15.94	27	30	12	69	\$62,520	Bachelor's degree	None	None
25-2053	Special Education Teachers, Middle School	211	245	34	16.11	8	8	3	19	\$61,510	Bachelor's degree	None	None
25-2054	Special Education Teachers, Secondary School	669	777	108	16.14	24	26	11	61	\$65,480	Bachelor's degree	None	None
25-2059	Special Education Teachers, All Other	275	324	49	17.82	10	11	5	26	\$58,850	Bachelor's degree	None	None
25-3000	Other Teachers and Instructors	3,336	3,774	438	13.13	217	166	44	427				
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	245	232	-13	-5.31	14	11	-1	24	\$44,360	Bachelor's degree	None	None
25-3021	Self-Enrichment Education Teachers	328	393	65	19.82	22	17	6	45	\$51,880	HS or EQ	Less than 5 years	None
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	2,661	3,031	370	13.90	174	133	37	344	\$68,010	Bachelor's degree	None	None
25-3098	Substitute Teachers	102	118	16	15.69	7	5	2	14	\$36,530	Bachelor's degree	None	None
25-4000	Librarians, Curators, and Archivists	2,801	2,978	177	6.32	160	136	18	314				
25-4011	Archivists	213	224	11	5.16	9	13	1	23	\$74,850	Master's degree	None	None
25-4012	Curators	177	188	11	6.21	8	10	1	19	\$81,880	Master's degree	None	None
25-4013	Museum Technicians and Conservators	542	558	16	2.95	23	32	2	57	\$65,910	Bachelor's degree	None	None
25-4021	Librarians	1,267	1,374	107	8.45	72	49	11	132	\$80,080	Master's degree	None	None
25-4031	Library Technicians	602	634	32	5.32	49	32	3	84	\$49,510	Postsecondary non-deg	None	None
25-9000	Other Education, Training, and Library Occupations	5,918	6,752	834	14.09	332	279	83	694				
25-9031	Instructional Coordinators	1,698	1,897	199	11.72	85	74	20	179	\$91,280	Master's degree	5 years or more	None
25-9041	Teacher Assistants	3,844	4,452	608	15.82	228	189	61	478	\$32,390	Some college, no degree	None	None
25-9099	Education, Training, and Library Workers, All Other	338	363	25	7.40	17	14	2	33	\$55,730	Bachelor's degree	None	None
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	40,476	43,775	3,299	8.15	1,383	2,544	330	4,257	\$77,410			
27-1000	Art and Design Workers	6,351	6,701	350	5.51	270	289	35	594				
27-1011	Art Directors	752	836	84	11.17	39	23	8	70	\$78,540	Bachelor's degree	5 years or more	None
27-1014	Multimedia Artists and Animators	138	148	10	7.25	7	4	1	12	\$74,870	Bachelor's degree	None	None
27-1019	Artists and Related Workers, All Other	1,912	1,944	32	1.67	94	56	3	153	\$90,410	No formal educational	None	Long-term OJT
27-1023	Floral Designers	129	117	-12	-9.30	4	7	-1	10	\$34,240	HS or EQ	None	Moderate-term OJT
27-1024	Graphic Designers	1,918	2,082	164	8.55	71	112	16	199	\$68,470	Bachelor's degree	None	None
27-1025	Interior Designers	947	989	42	4.44	34	54	4	92	\$68,280	Bachelor's degree	None	None
27-1026	Merchandise Displayers and Window Trimmers	152	149	-3	-1.97	5	8	0	13	\$41,470	HS or EQ	None	Short-term OJT
27-1027	Set and Exhibit Designers	300	323	23	7.67	11	18	2	31	\$72,440	Bachelor's degree	None	None
27-1029	Designers, All Other	52	55	3	5.77	2	3	0	5	\$83,920	Bachelor's degree	None	None
27-2000	Entertainers and Performers, Sports and Related Workers	3,584	3,995	411	11.47	141	229	41	411				
27-2011	Actors	368	423	55	14.95	19	20	6	45		Some college, no degree	None	Long-term OJT
27-2012	Producers and Directors	2,086	2,333	247	11.84	55	136	25	216	\$79,070	Bachelor's degree	Less than 5 years	None
27-2022	Coaches and Scouts	451	495	44	9.76	26	36	4	66	\$45,450	Bachelor's degree	None	None
27-2031	Dancers	85	97	12	14.12	6	6	1	13		No formal educational	None	Long-term OJT
27-2032	Choreographers	109	105	-4	-3.67	7	8	0	15	\$46,130	HS or EQ	5 years or more	Long-term OJT
27-2041	Music Directors and Composers	84	93	9	10.71	5	3	1	9	\$40,880	Bachelor's degree	Less than 5 years	None
27-2042	Musicians and Singers	239	255	16	6.69	14	9	2	25		No formal educational	None	Long-term OJT
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	137	165	28	20.44	7	9	3	19		No formal educational	None	Short-term OJT
27-3000	Media and Communication Workers	27,391	29,656	2,265	8.27	875	1,830	226	2,931				

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Soccode	Occupational Title	Employment Projections				Occupational Separations, 2016-2026, annual average			Occupational		Worker Characteristics		
		2016-2026		Change 2016-2026		Labor Force	Occupational	Annual	Openings	Median	Typical Education	Work Experience	Typical on-the-job
		2016	2026	Numeric	Percent	Exits	Transfers	Numeric Change	2016-2026	Annual Wage**	Needed for Entry	in a related Occupation	training needed to attain competency
27-3011	Radio and Television Announcers	207	190	-17	-8.21	8	10	-2	16	\$62,630	Bachelor's degree	None	None
27-3021	Broadcast News Analysts	107	119	12	11.21	4	8	1	13		Bachelor's degree	None	None
27-3022	Reporters and Correspondents	2,634	2,970	336	12.76	86	185	34	305	\$79,710	Bachelor's degree	None	None
27-3031	Public Relations Specialists	17,541	18,894	1,353	7.71	510	1,233	135	1,878	\$78,170	Bachelor's degree	None	None
27-3041	Editors	3,261	3,498	237	7.27	112	214	24	350	\$78,310	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	899	1,049	150	16.69	31	58	15	104	\$83,200	Bachelor's degree	Less than 5 years	Short-term OJT
27-3043	Writers and Authors	2,038	2,147	109	5.35	89	89	11	189	\$91,120	Bachelor's degree	None	Long-term OJT
27-3091	Interpreters and Translators	498	563	65	13.05	24	23	6	53	\$92,150	Bachelor's degree	None	None
27-3099	Media and Communication Workers, All Other	202	222	20	9.90	10	9	2	21	\$63,140	HS or EQ	None	Short-term OJT
27-4000	Media and Communication Equipment Workers	3,150	3,423	273	8.67	98	197	27	322				
27-4011	Audio and Video Equipment Technicians	663	757	94	14.18	20	44	9	73	\$55,890	Postsecondary non-deg	None	Short-term OJT
27-4012	Broadcast Technicians	714	786	72	10.08	21	46	7	74	\$83,550	Associate's degree	None	Short-term OJT
27-4013	Radio Operators	72	75	3	4.17	2	4	0	6		HS or EQ	None	Short-term OJT
27-4014	Sound Engineering Technicians	103	115	12	11.65	3	7	1	11	\$53,340	Postsecondary non-deg	None	Short-term OJT
27-4021	Photographers	272	268	-4	-1.47	12	9	0	21	\$57,400	HS or EQ	None	Long-term OJT
27-4031	Camera Operators, Television, Video, and Motion Picture	751	808	57	7.59	23	49	6	78	\$88,050	Bachelor's degree	None	None
27-4032	Film and Video Editors	162	193	31	19.14	5	11	3	19	\$77,470	Bachelor's degree	None	None
27-4099	Media and Communication Equipment Workers, All Other	413	421	8	1.94	12	26	1	39		HS or EQ	None	Short-term OJT
29-0000	Healthcare Practitioners and Technical Occupations	32,359	36,171	3,812	11.78	864	820	381	2,065	\$75,160			
29-1000	Health Diagnosing and Treating Practitioners	22,422	25,131	2,709	12.08	562	459	271	1,292				
29-1021	Dentists, General	280	334	54	19.29	6	2	5	13	\$104,800	Doctoral or prof. degree	None	None
29-1031	Dietitians and Nutritionists	269	306	37	13.75	9	8	4	21	\$63,160	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	106	121	15	14.15	2	2	2	6	\$74,220	Doctoral or prof. degree	None	None
29-1051	Pharmacists	834	888	54	6.47	20	17	5	42	\$122,050	Doctoral or prof. degree	None	None
29-1061	Anesthesiologists	236	258	22	9.32	4	3	2	9		Doctoral or prof. degree	None	Internship/residency
29-1062	Family and General Practitioners	724	768	44	6.08	11	8	4	23	\$180,060	Doctoral or prof. degree	None	Internship/residency
29-1063	Internists, General	1,279	1,418	139	10.87	20	15	14	49	\$63,670	Doctoral or prof. degree	None	Internship/residency
29-1064	Obstetricians and Gynecologists	129	143	14	10.85	2	2	1	5	\$140,860	Doctoral or prof. degree	None	Internship/residency
29-1065	Pediatricians, General	346	379	33	9.54	5	4	3	12	\$106,650	Doctoral or prof. degree	None	Internship/residency
29-1066	Psychiatrists	239	249	10	4.18	4	3	1	8	\$118,420	Doctoral or prof. degree	None	Internship/residency
29-1067	Surgeons	372	399	27	7.26	6	4	3	13	\$161,300	Doctoral or prof. degree	None	Internship/residency
29-1069	Physicians and Surgeons, All Other	2,379	2,566	187	7.86	36	27	19	82	\$172,340	Doctoral or prof. degree	None	Internship/residency
29-1071	Physician Assistants	426	559	133	31.22	8	18	13	39	\$103,640	Master's degree	None	None
29-1081	Podiatrists	61	68	7	11.48	1	2	1	4	\$120,600	Doctoral or prof. degree	None	Internship/residency
29-1122	Occupational Therapists	429	525	96	22.38	10	13	10	33	\$85,930	Master's degree	None	None
29-1123	Physical Therapists	679	817	138	20.32	14	16	14	44	\$82,420	Doctoral or prof. degree	None	None
29-1124	Radiation Therapists	124	133	9	7.26	3	3	1	7	\$77,010	Associate's degree	None	None
29-1125	Recreational Therapists	210	249	39	18.57	7	6	4	17	\$53,420	Bachelor's degree	None	None
29-1126	Respiratory Therapists	411	487	76	18.49	11	10	8	29	\$69,850	Associate's degree	None	None
29-1127	Speech-Language Pathologists	402	473	71	17.66	8	14	7	29	\$87,550	Master's degree	None	Internship/residency
29-1131	Veterinarians	124	134	10	8.06	2	2	1	5	\$97,610	Doctoral or prof. degree	None	None
29-1141	Registered Nurses	10,824	12,091	1,267	11.71	328	249	127	704	\$80,010	Bachelor's degree	None	None
29-1151	Nurse Anesthetists	116	123	7	6.03	2	4	1	7	\$161,650	Master's degree	None	None
29-1171	Nurse Practitioners	558	727	169	30.29	12	18	17	47	\$104,450	Master's degree	None	None
29-1181	Audiologists	103	117	14	13.59	3	2	1	6	\$106,230	Doctoral or prof. degree	None	None
29-1199	Health Diagnosing and Treating Practitioners, All Other	632	659	27	4.27	26	6	3	35	\$116,140	Master's degree	None	None
29-2000	Health Technologists and Technicians	9,234	10,251	1,017	11.01	286	340	102	728				
29-2011	Medical and Clinical Laboratory Technologists	833	923	90	10.80	27	27	9	63	\$66,930	Bachelor's degree	None	None
29-2012	Medical and Clinical Laboratory Technicians	531	583	52	9.79	17	17	5	39	\$41,450	Associate's degree	None	None
29-2021	Dental Hygienists	413	495	82	19.85	16	10	8	34		Associate's degree	None	None
29-2031	Cardiovascular Technologists and Technicians	144	157	13	9.03	4	4	1	9	\$76,040	Associate's degree	None	None

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		2016	2026	Numeric	Percent	Exits	Transfers	Numeric Change	2016-2026	Annual Wage**	Needed for Entry	in a related Occupation	training needed to attain competency	
29-2032	Diagnostic Medical Sonographers	169	207	38	22.49	5	5	4	14	\$88,880	Associate's degree	None	None	
29-2034	Radiologic Technologists	565	608	43	7.61	15	15	4	34	\$76,420	Associate's degree	None	None	
29-2035	Magnetic Resonance Imaging Technologists	84	90	6	7.14	2	2	1	5	\$88,050	Associate's degree	Less than 5 years	None	
29-2041	Emergency Medical Technicians and Paramedics	1,562	1,702	140	8.96	28	67	14	109	\$59,790	Postsecondary non-deg	None	None	
29-2051	Dietetic Technicians	74	85	11	14.86	3	4	1	8	\$30,450	Associate's degree	None	None	
29-2052	Pharmacy Technicians	983	1,108	125	12.72	34	46	12	92	\$35,200	HS or EQ	None	Moderate-term OJT	
29-2053	Psychiatric Technicians	134	145	11	8.21	4	6	1	11	\$36,820	Postsecondary non-deg	Less than 5 years	Short-term OJT	
29-2054	Respiratory Therapy Technicians	142	63	-79	-55.63	4	4	-8	0	\$73,790	Associate's degree	None	None	
29-2055	Surgical Technologists	281	296	15	5.34	9	13	2	24	\$57,340	Postsecondary non-deg	None	None	
29-2056	Veterinary Technologists and Technicians	131	139	8	6.11	4	6	1	11	\$32,490	Associate's degree	None	None	
29-2061	Licensed Practical and Licensed Vocational Nurses	1,822	2,085	263	14.43	69	68	26	163	\$53,740	Postsecondary non-deg	None	None	
29-2071	Medical Records and Health Information Technicians	516	587	71	13.76	16	16	7	39		Postsecondary non-deg	None	None	
29-2081	Opticians, Dispensing	289	335	46	15.92	10	12	5	27	\$41,280	HS or EQ	None	Long-term OJT	
29-2099	Health Technologists and Technicians, All Other	458	528	70	15.28	14	16	7	37	\$43,070	Postsecondary non-deg	None	None	
29-9000	Other Healthcare Practitioners and Technical Occupations	703	789	86	12.23	17	20	9	46					
29-9011	Occupational Health and Safety Specialists	430	462	32	7.44	10	12	3	25	\$88,620	Bachelor's degree	None	None	
29-9012	Occupational Health and Safety Technicians	54	62	8	14.81	1	2	1	4	\$78,030	HS or EQ	None	Moderate-term OJT	
29-9091	Athletic Trainers	73	94	21	28.77	2	2	2	6	\$58,490	Bachelor's degree	None	None	
29-9099	Healthcare Practitioners and Technical Workers, All Other	111	128	17	15.32	3	3	2	8	\$85,880	Postsecondary non-deg	None	None	
31-0000	Healthcare Support Occupations	12,462	16,200	3,738	30.00	823	769	374	1,966	\$30,320				
31-1000	Nursing, Psychiatric, and Home Health Aides	8,769	11,753	2,984	34.03	623	519	298	1,440					
31-1011	Home Health Aides	4,996	7,627	2,631	52.66	383	319	263	965	\$27,880	HS or EQ	None	Short-term OJT	
31-1013	Psychiatric Aides	299	347	48	16.05	20	16	5	41	\$24,960	HS or EQ	None	Short-term OJT	
31-1014	Nursing Assistants	3,230	3,517	287	8.89	205	170	29	404	\$33,020	Postsecondary non-deg	None	None	
31-1015	Orderlies	244	262	18	7.38	15	13	2	30	\$29,640	HS or EQ	None	Short-term OJT	
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	331	382	51	15.41	16	26	5	47					
31-2012	Occupational Therapy Aides	59	69	10	16.95	3	5	1	9	\$36,220	HS or EQ	None	Short-term OJT	
31-2021	Physical Therapist Assistants	149	171	22	14.77	7	12	2	21	\$39,280	Associate's degree	None	None	
31-2022	Physical Therapist Aides	84	95	11	13.10	4	7	1	12	\$32,320	HS or EQ	None	Short-term OJT	
31-9000	Other Healthcare Support Occupations	3,362	4,065	703	20.91	183	224	70	477					
31-9011	Massage Therapists	64	70	6	9.38	4	2	1	7		Postsecondary non-deg	None	None	
31-9091	Dental Assistants	667	795	128	19.19	37	42	13	92	\$43,720	Postsecondary non-deg	None	None	
31-9092	Medical Assistants	1,643	2,092	449	27.33	82	115	45	242	\$38,610	Postsecondary non-deg	None	None	
31-9093	Medical Equipment Preparers	253	286	33	13.04	17	16	3	36	\$39,400	HS or EQ	None	Moderate-term OJT	
31-9095	Pharmacy Aides	87	88	1	1.15	6	6	0	12		HS or EQ	None	Short-term OJT	
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	82	89	7	8.54	5	8	1	14	\$27,140	HS or EQ	None	Short-term OJT	
31-9097	Phlebotomists	275	338	63	22.91	13	18	6	37	\$40,000	Postsecondary non-deg	None	None	
31-9099	Healthcare Support Workers, All Other	247	269	22	8.91	16	15	2	33	\$44,300	HS or EQ	None	None	
33-0000	Protective Service Occupations	30,763	32,734	1,971	6.41	1,567	1,826	197	3,590	\$54,840				
33-1000	Supervisors of Protective Service Workers	2,645	2,767	122	4.61	96	104	12	212					
33-1012	First-Line Supervisors of Police and Detectives	1,397	1,420	23	1.65	39	44	2	85		HS or EQ	Less than 5 years	Moderate-term OJT	
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	185	188	3	1.62	6	6	0	12		Postsecondary non-deg	Less than 5 years	Moderate-term OJT	
33-1099	First-Line Supervisors of Protective Service Workers, All Other	1,023	1,124	101	9.87	49	54	10	113	\$54,460	HS or EQ	Less than 5 years	None	
33-2000	Fire Fighting and Prevention Workers	647	662	15	2.32	16	28	2	46					
33-2011	Firefighters	593	607	14	2.36	13	25	1	39		Postsecondary non-deg	None	Long-term OJT	
33-2021	Fire Inspectors and Investigators	54	55	1	1.85	3	3	0	6		Postsecondary non-deg	5 years or more	Moderate-term OJT	
33-3000	Law Enforcement Workers	10,493	10,492	-1	-0.01	277	399	0	676					
33-3012	Correctional Officers and Jailers	858	762	-96	-11.19	29	36	-10	55	\$49,640	HS or EQ	None	Moderate-term OJT	
33-3021	Detectives and Criminal Investigators	3,434	3,490	56	1.63	92	121	6	219	\$130,540	HS or EQ	Less than 5 years	Moderate-term OJT	
33-3041	Parking Enforcement Workers	240	147	-93	-38.75	10	7	-9	8	\$53,260	HS or EQ	None	Short-term OJT	
33-3051	Police and Sheriff's Patrol Officers	5,961	6,093	132	2.21	146	235	13	394	\$72,870	HS or EQ	None	Moderate-term OJT	

Table 2: DISTRICT OF COLUMBIA LONG-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2016 - 2026*

Soccode	Occupational Title	Employment Projections				Occupational Separations, 2016-2026, annual average			Occupational		Worker Characteristics		
		2016		2026		Labor Force Exits	Occupational Transfers	Annual Numeric Change	Openings 2016-2026	Median Annual Wage**	Typical Education Needed for Entry	Work Experience in a related Occupation	Typical on-the-job training needed to attain competency
		2016	2026	Numeric	Percent								
33-9000	Other Protective Service Workers	16,978	18,813	1,835	10.81	1,179	1,295	184	2,658				
33-9021	Private Detectives and Investigators	107	124	17	15.89	6	5	2	13	\$61,690	HS or EQ	Less than 5 years	Moderate-term OJT
33-9032	Security Guards	15,365	17,117	1,752	11.40	963	1,146	175	2,284	\$42,740	HS or EQ	None	Short-term OJT
33-9091	Crossing Guards	232	241	9	3.88	33	9	1	43	\$33,170	No formal educational	None	Short-term OJT
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	223	236	13	5.83	32	24	1	57	\$34,060	No formal educational	None	Short-term OJT
33-9099	Protective Service Workers, All Other	1,012	1,051	39	3.85	143	109	4	256	\$37,620	HS or EQ	None	Short-term OJT
35-0000	Food Preparation and Serving Related Occupations	56,529	61,664	5,135	9.08	4,369	5,490	514	10,373	\$24,490			
35-1000	Supervisors of Food Preparation and Serving Workers	4,983	5,485	502	10.07	218	494	50	762				
35-1011	Chefs and Head Cooks	1,202	1,318	116	9.65	40	115	12	167	\$56,990	HS or EQ	5 years or more	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	3,781	4,167	386	10.21	178	379	39	596	\$37,250	HS or EQ	Less than 5 years	None
35-2000	Cooks and Food Preparation Workers	13,806	15,085	1,279	9.26	926	1,181	128	2,235				
35-2011	Cooks, Fast Food	2,048	1,958	-90	-4.39	117	160	-9	268	\$22,200	No formal educational	None	Short-term OJT
35-2012	Cooks, Institution and Cafeteria	1,690	1,931	241	14.26	106	145	24	275	\$32,710	No formal educational	None	Short-term OJT
35-2014	Cooks, Restaurant	6,169	6,900	731	11.85	383	523	73	979	\$26,860	No formal educational	Less than 5 years	Moderate-term OJT
35-2015	Cooks, Short Order	330	314	-16	-4.85	19	26	-2	43	\$28,110	No formal educational	None	Short-term OJT
35-2021	Food Preparation Workers	3,535	3,945	410	11.60	299	324	41	664	\$24,380	No formal educational	None	Short-term OJT
35-3000	Food and Beverage Serving Workers	25,568	28,056	2,488	9.73	2,099	2,733	249	5,081				
35-3011	Bartenders	4,330	4,468	138	3.19	212	505	14	731	\$27,000	No formal educational	None	Short-term OJT
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	9,031	10,674	1,643	18.19	872	912	164	1,948	\$23,430	No formal educational	None	Short-term OJT
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,738	1,849	111	6.39	216	169	11	396	\$24,490	No formal educational	None	Short-term OJT
35-3031	Waiters and Waitresses	8,737	9,359	622	7.12	670	1,026	62	1,758	\$22,010	No formal educational	None	Short-term OJT
35-3041	Food Servers, Nonrestaurant	1,732	1,706	-26	-1.50	130	121	-3	248	\$27,540	No formal educational	None	Short-term OJT
35-9000	Other Food Preparation and Serving Related Workers	12,172	13,038	866	7.11	1,126	1,082	87	2,295				
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	4,823	5,206	383	7.94	446	397	38	881	\$23,430	No formal educational	None	Short-term OJT
35-9021	Dishwashers	4,339	4,564	225	5.19	329	355	22	706	\$24,010	No formal educational	None	Short-term OJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,588	2,794	206	7.96	310	294	21	625	\$24,450	No formal educational	None	Short-term OJT
35-9099	Food Preparation and Serving Related Workers, All Other	422	474	52	12.32	40	36	5	81	\$22,420	No formal educational	None	Short-term OJT
37-0000	Building and Grounds Cleaning and Maintenance Occupations	27,919	30,733	2,814	10.08	1,931	1,796	281	4,008	\$29,640			
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	1,695	1,871	176	10.38	88	108	18	214				
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,609	1,778	169	10.50	86	102	17	205	\$39,620	HS or EQ	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	86	93	7	8.14	3	5	1	9	\$68,240	HS or EQ	Less than 5 years	None
37-2000	Building Cleaning and Pest Control Workers	25,270	27,822	2,552	10.10	1,796	1,617	255	3,668				
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	17,748	19,783	2,035	11.47	1,222	1,180	204	2,606	\$27,920	No formal educational	None	Short-term OJT
37-2012	Maids and Housekeeping Cleaners	7,460	7,973	513	6.88	571	431	51	1,053	\$35,040	No formal educational	None	Short-term OJT
37-3000	Grounds Maintenance Workers	954	1,040	86	9.01	46	71	9	126				
37-3011	Landscaping and Groundskeeping Workers	814	886	72	8.85	40	61	7	108	\$36,860	No formal educational	None	Short-term OJT
37-3019	Grounds Maintenance Workers, All Other	67	76	9	13.43	3	5	1	9	\$43,680	No formal educational	None	Short-term OJT
39-0000	Personal Care and Service Occupations	18,468	22,718	4,250	23.01	1,565	1,473	425	3,463	\$28,460			
39-1000	Supervisors of Personal Care and Service Workers	410	477	67	16.34	21	22	7	50				
39-1021	First-Line Supervisors of Personal Service Workers	379	441	62	16.36	20	18	6	44	\$47,060	HS or EQ	Less than 5 years	None
39-2000	Animal Care and Service Workers	469	581	112	23.88	36	42	11	89				
39-2021	Nonfarm Animal Caretakers	460	572	112	24.35	35	42	11	88	\$31,690	HS or EQ	None	Short-term OJT
39-3000	Entertainment Attendants and Related Workers	1,294	1,555	261	20.17	169	159	26	354				
39-3011	Gaming Dealers	97	115	18	18.56	6	9	2	17		HS or EQ	None	Short-term OJT
39-3031	Ushers, Lobby Attendants, and Ticket Takers	849	1,040	191	22.50	124	105	19	248		No formal educational	None	Short-term OJT
39-3091	Amusement and Recreation Attendants	206	240	34	16.50	24	26	3	53	\$24,130	No formal educational	None	Short-term OJT
39-3092	Costume Attendants	76	88	12	15.79	9	10	1	20	\$37,800	HS or EQ	None	Short-term OJT
39-4000	Funeral Service Workers	55	57	2	3.64	3	4	0	7				
39-5000	Personal Appearance Workers	1,903	2,137	234	12.30	128	100	23	251				
39-5011	Barbers	205	228	23	11.22	10	10	2	22	\$35,740	Postsecondary non-deg	None	None
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,376	1,547	171	12.43	98	73	17	188	\$29,590	Postsecondary non-deg	None	None

Table 2: DISTRICT OF COLUMBIA LONG-TERM OCCUPATIONAL PROJECTIONS, SEPARATIONS, OPENINGS, AND WORKER CHARACTERISTICS, 2016 - 2026*

Soccode	Occupational Title	Employment Projections							Occupational Separations, 2016-2026, annual average			Occupational			Worker Characteristics		
		Employment		Change 2016-2026		Labor Force	Occupational	Annual	Openings	Median	Typical Education	Work Experience	Typical on-the-job				
		2016	2026	Numeric	Percent	Exits	Transfers	Numeric Change	2016-2026	Annual Wage**	Needed for Entry	in a related Occupation	training needed to attain competency				
39-5091	Makeup Artists, Theatrical and Performance	68	78	10	14.71	4	4	1	9	\$92,850	Postsecondary non-deg	None	None				
39-5092	Manicurists and Pedicurists	60	67	7	11.67	4	3	1	8	\$29,680	Postsecondary non-deg	None	None				
39-5093	Shampooers	148	165	17	11.49	9	8	2	19	\$22,480	No formal educational	None	Short-term OJT				
39-6000	Baggage Porters, Bellhops, and Concierges	1,431	1,584	153	10.69	72	132	15	219								
39-6011	Baggage Porters and Bellhops	609	636	27	4.43	30	55	3	88	\$25,470	HS or EQ	None	Short-term OJT				
39-6012	Concierges	822	948	126	15.33	42	78	13	133	\$32,550	HS or EQ	None	Moderate-term OJT				
39-7000	Tour and Travel Guides	551	595	44	7.99	50	48	4	102								
39-7011	Tour Guides and Escorts	501	544	43	8.58	46	44	4	94	\$32,010	HS or EQ	None	Moderate-term OJT				
39-7012	Travel Guides	50	51	1	2.00	4	4	0	8	\$53,920	HS or EQ	None	Moderate-term OJT				
39-9000	Other Personal Care and Service Workers	12,355	15,732	3,377	27.33	1,086	966	338	2,390								
39-9011	Childcare Workers	3,555	3,982	427	12.01	308	233	43	584	\$24,730	HS or EQ	None	Short-term OJT				
39-9021	Personal Care Aides	6,012	8,563	2,551	42.43	582	438	255	1,275	\$27,490	HS or EQ	None	Short-term OJT				
39-9031	Fitness Trainers and Aerobics Instructors	1,073	1,255	182	16.96	76	116	18	210	\$49,670	HS or EQ	None	Short-term OJT				
39-9032	Recreation Workers	624	665	41	6.57	42	64	4	110	\$46,180	HS or EQ	None	Short-term OJT				
39-9041	Residential Advisors	962	1,128	166	17.26	69	104	17	190	\$29,830	HS or EQ	None	Short-term OJT				
39-9099	Personal Care and Service Workers, All Other	129	139	10	7.75	9	10	1	20	\$23,780	HS or EQ	None	Short-term OJT				
41-0000	Sales and Related Occupations	29,144	30,070	926	3.18	1,815	2,345	93	4,253	\$30,810							
41-1000	Supervisors of Sales Workers	2,297	2,373	76	3.31	84	151	8	243								
41-1011	First-Line Supervisors of Retail Sales Workers	1,749	1,808	59	3.37	66	120	6	192	\$46,530	HS or EQ	Less than 5 years	None				
41-1012	First-Line Supervisors of Non-Retail Sales Workers	548	565	17	3.10	18	31	2	51	\$72,580	HS or EQ	Less than 5 years	None				
41-2000	Retail Sales Workers	16,720	16,932	212	1.27	1,350	1,449	21	2,820								
41-2011	Cashiers	9,452	9,631	179	1.89	896	874	18	1,788	\$23,860	No formal educational	None	Short-term OJT				
41-2021	Counter and Rental Clerks	590	601	11	1.86	31	44	1	76	\$32,180	No formal educational	None	Short-term OJT				
41-2031	Retail Salespersons	6,652	6,676	24	0.36	422	529	2	953	\$27,520	No formal educational	None	Short-term OJT				
41-3000	Sales Representatives, Services	6,530	6,951	421	6.45	223	521	42	786								
41-3011	Advertising Sales Agents	788	871	83	10.53	31	72	8	111	\$55,880	HS or EQ	None	Moderate-term OJT				
41-3021	Insurance Sales Agents	421	456	35	8.31	18	24	4	46	\$40,810	HS or EQ	None	Moderate-term OJT				
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,671	1,722	51	3.05	44	112	5	161	\$67,160	Bachelor's degree	None	Moderate-term OJT				
41-3041	Travel Agents	504	464	-40	-7.94	26	29	-4	51	\$46,960	HS or EQ	None	Moderate-term OJT				
41-3099	Sales Representatives, Services, All Other	3,146	3,438	292	9.28	104	284	29	417	\$64,320	HS or EQ	None	Moderate-term OJT				
41-4000	Sales Representatives, Wholesale and Manufacturing	1,561	1,681	120	7.69	54	109	12	175								
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	535	564	29	5.42	18	37	3	58	\$75,490	Bachelor's degree	None	Moderate-term OJT				
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific	1,026	1,117	91	8.87	35	72	9	116	\$69,840	HS or EQ	None	Moderate-term OJT				
41-9000	Other Sales and Related Workers	2,036	2,133	97	4.76	104	116	10	230								
41-9011	Demonstrators and Product Promoters	73	82	9	12.33	8	5	1	14	\$34,240	No formal educational	None	Short-term OJT				
41-9021	Real Estate Brokers	290	287	-3	-1.03	15	11	0	26	\$93,620	HS or EQ	Less than 5 years	None				
41-9022	Real Estate Sales Agents	962	970	8	0.83	50	38	1	89	\$66,790	HS or EQ	None	Moderate-term OJT				
41-9031	Sales Engineers	307	366	59	19.22	8	26	6	40	\$104,200	Bachelor's degree	None	Moderate-term OJT				
41-9041	Telemarketers	251	259	8	3.19	15	24	1	40	\$24,570	No formal educational	None	Short-term OJT				
41-9099	Sales and Related Workers, All Other	139	153	14	10.07	8	11	1	20	\$34,730	HS or EQ	None	None				
43-0000	Office and Administrative Support Occupations	87,588	85,154	-2,434	-2.78	4,494	5,066	-243	9,317	\$47,550							
43-1000	Supervisors of Office and Administrative Support Workers	5,500	5,528	28	0.51	214	318	3	535								
43-1011	First-Line Supervisors of Office and Administrative Support Workers	5,500	5,528	28	0.51	214	318	3	535	\$73,280	HS or EQ	Less than 5 years	None				
43-2000	Communications Equipment Operators	368	282	-86	-23.37	20	22	-9	33								
43-2011	Switchboard Operators, Including Answering Service	311	239	-72	-23.15	17	18	-7	28	\$38,930	HS or EQ	None	Short-term OJT				
43-2021	Telephone Operators	52	38	-14	-26.92	3	3	-1	5	\$41,790	HS or EQ	None	Short-term OJT				
43-3000	Financial Clerks	7,404	7,242	-162	-2.19	401	394	-16	779								
43-3011	Bill and Account Collectors	217	206	-11	-5.07	8	14	-1	21	\$57,650	HS or EQ	None	Moderate-term OJT				
43-3021	Billing and Posting Clerks	890	980	90	10.11	40	52	9	101	\$56,870	HS or EQ	None	Moderate-term OJT				
43-3031	Bookkeeping, Accounting, and Auditing Clerks	4,185	4,081	-104	-2.49	256	199	-10	445	\$55,010	Some college, no degree	None	Moderate-term OJT				
43-3041	Gaming Cage Workers	84	100	16	19.05	6	8	2	16		HS or EQ	None	Short-term OJT				

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		2016-2026		Change 2016-2026		Labor Force	Occupational	Annual	Openings	Median	Typical Education	Work Experience	Typical on-the-job
		2016	2026	Numeric	Percent	Exits	Transfers	Numeric Change	2016-2026	Annual Wage**	Needed for Entry	in a related Occupation	training needed to attain competency
43-3051	Payroll and Timekeeping Clerks	482	483	1	0.21	20	27	0	47	\$59,860	HS or EQ	None	Moderate-term OJT
43-3061	Procurement Clerks	367	356	-11	-3.00	15	24	-1	38	\$54,070	HS or EQ	None	Moderate-term OJT
43-3071	Tellers	1,131	986	-145	-12.82	54	68	-14	108	\$31,560	HS or EQ	None	Short-term OJT
43-4000	Information and Record Clerks	20,326	20,893	567	2.79	1,092	1,428	57	2,577				
43-4011	Brokerage Clerks	151	155	4	2.65	4	12	0	16	\$54,440	HS or EQ	None	Moderate-term OJT
43-4051	Customer Service Representatives	6,706	6,960	254	3.79	349	513	25	887	\$43,300	HS or EQ	None	Short-term OJT
43-4061	Eligibility Interviewers, Government Programs	667	727	60	9.00	28	33	6	67	\$56,970	HS or EQ	None	Moderate-term OJT
43-4071	File Clerks	626	555	-71	-11.34	36	36	-7	65	\$44,830	HS or EQ	None	Short-term OJT
43-4081	Hotel, Motel, and Resort Desk Clerks	1,200	1,274	74	6.17	68	122	7	197	\$33,370	HS or EQ	None	Short-term OJT
43-4111	Interviewers, Except Eligibility and Loan	235	244	9	3.83	13	15	1	29	\$37,600	HS or EQ	None	Short-term OJT
43-4121	Library Assistants, Clerical	412	459	47	11.41	35	26	5	66	\$34,950	HS or EQ	None	Short-term OJT
43-4131	Loan Interviewers and Clerks	244	260	16	6.56	9	15	2	26	\$48,030	HS or EQ	None	Short-term OJT
43-4151	Order Clerks	66	68	2	3.03	3	4	0	7	\$35,550	HS or EQ	None	Short-term OJT
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	920	902	-18	-1.96	38	61	-2	97	\$52,420	Associate's degree	None	None
43-4171	Receptionists and Information Clerks	4,662	4,754	92	1.97	293	312	9	614	\$33,570	HS or EQ	None	Short-term OJT
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	265	275	10	3.77	12	16	1	29	\$48,510	HS or EQ	None	Short-term OJT
43-4199	Information and Record Clerks, All Other	4,105	4,195	90	2.19	202	260	9	471	\$55,210	HS or EQ	None	Short-term OJT
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	7,489	7,603	114	1.52	337	424	11	772				
43-5011	Cargo and Freight Agents	86	99	13	15.12	3	5	1	9	\$32,220	HS or EQ	None	Short-term OJT
43-5021	Couriers and Messengers	546	606	60	10.99	26	25	6	57	\$29,300	HS or EQ	None	Short-term OJT
43-5031	Police, Fire, and Ambulance Dispatchers	146	153	7	4.79	5	8	1	14	\$70,100	HS or EQ	None	Moderate-term OJT
43-5032	Dispatchers, Except Police, Fire, and Ambulance	840	736	-104	-12.38	28	42	-10	60	\$41,820	HS or EQ	None	Moderate-term OJT
43-5051	Postal Service Clerks	134	122	-12	-8.96	6	4	-1	9	\$56,790	HS or EQ	None	Short-term OJT
43-5052	Postal Service Mail Carriers	934	854	-80	-8.57	34	25	-8	51	\$59,840	HS or EQ	None	Short-term OJT
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	548	478	-70	-12.77	22	15	-7	30	\$56,790	HS or EQ	None	Short-term OJT
43-5061	Production, Planning, and Expediting Clerks	931	1,032	101	10.85	34	64	10	108	\$57,970	HS or EQ	None	Moderate-term OJT
43-5071	Shipping, Receiving, and Traffic Clerks	614	605	-9	-1.47	24	36	-1	59	\$45,670	HS or EQ	None	Short-term OJT
43-5081	Stock Clerks and Order Fillers	2,705	2,913	208	7.69	153	200	21	374	\$28,840	HS or EQ	None	Short-term OJT
43-6000	Secretaries and Administrative Assistants	28,638	26,029	-2,609	-9.11	1,472	1,432	-261	2,643				
43-6011	Executive Secretaries and Executive Administrative Assistants	6,494	5,354	-1,140	-17.55	319	310	-114	515	\$66,080	HS or EQ	Less than 5 years	None
43-6012	Legal Secretaries	4,713	3,769	-944	-20.03	228	222	-94	356	\$83,360	HS or EQ	None	Moderate-term OJT
43-6013	Medical Secretaries	1,733	2,083	350	20.20	103	100	35	238	\$39,830	HS or EQ	None	Moderate-term OJT
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Execut	15,698	14,823	-875	-5.57	822	800	-88	1,534	\$46,760	HS or EQ	None	Short-term OJT
43-9000	Other Office and Administrative Support Workers	17,863	17,577	-286	-1.60	958	1,047	-29	1,976				
43-9011	Computer Operators	116	91	-25	-21.55	4	6	-2	8	\$56,740	HS or EQ	None	Moderate-term OJT
43-9021	Data Entry Keyers	392	318	-74	-18.88	18	23	-7	34	\$36,000	HS or EQ	None	Short-term OJT
43-9022	Word Processors and Typists	429	295	-134	-31.24	23	17	-13	27	\$48,480	HS or EQ	None	Short-term OJT
43-9031	Desktop Publishers	79	79	0	0.00	3	5	0	8	\$60,930	Associate's degree	None	Short-term OJT
43-9041	Insurance Claims and Policy Processing Clerks	443	493	50	11.29	20	26	5	51	\$48,240	HS or EQ	None	Moderate-term OJT
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	1,378	1,192	-186	-13.50	70	72	-19	123	\$44,660	HS or EQ	None	Short-term OJT
43-9061	Office Clerks, General	10,612	10,530	-82	-0.77	620	604	-8	1,216	\$38,640	HS or EQ	None	Short-term OJT
43-9071	Office Machine Operators, Except Computer	752	676	-76	-10.11	31	47	-8	70	\$38,330	HS or EQ	None	Short-term OJT
43-9111	Statistical Assistants	371	434	63	16.98	19	30	6	55	\$52,640	Bachelor's degree	None	None
43-9199	Office and Administrative Support Workers, All Other	3,242	3,417	175	5.40	145	212	18	375	\$37,880	HS or EQ	None	Short-term OJT
45-0000	Farming, Fishing, and Forestry Occupations	406	430	24	5.91	16	47	2	65	\$38,590			
45-2000	Agricultural Workers	357	381	24	6.72	14	42	2	58				
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	112	111	-1	-0.89	4	13	0	17		No formal educational	None	Short-term OJT
45-2099	Agricultural Workers, All Other	235	259	24	10.21	9	28	2	39		No formal educational	None	Short-term OJT
47-0000	Construction and Extraction Occupations	13,903	15,485	1,582	11.38	518	975	158	1,651	\$51,670			
47-1000	Supervisors of Construction and Extraction Workers	1,215	1,361	146	12.02	41	81	15	137				
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,215	1,361	146	12.02	41	81	15	137	\$78,030	HS or EQ	5 years or more	None

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Soccode	Occupational Title	Employment Projections				Occupational Separations, 2016-2026, annual average			Occupational		Worker Characteristics		
		2016-2026		Change 2016-2026		Labor Force	Occupational	Annual	Openings	Median	Typical Education	Work Experience	Typical on-the-job
		2016	2026	Numeric	Percent	Exits	Transfers	Numeric Change	2016-2026	Annual Wage**	Needed for Entry	in a related Occupation	training needed to attain competency
47-2000	Construction Trades Workers	11,304	12,555	1,251	11.07	413	771	125	1,309				
47-2021	Brickmasons and Blockmasons	207	221	14	6.76	6	12	1	19	\$63,900	HS or EQ	None	Apprenticeship
47-2022	Stonemasons	59	64	5	8.47	2	3	0	5	\$41,880	HS or EQ	None	Apprenticeship
47-2031	Carpenters	2,271	2,463	192	8.45	81	132	19	232	\$48,940	HS or EQ	None	Apprenticeship
47-2051	Cement Masons and Concrete Finishers	547	609	62	11.33	22	39	6	67	\$46,710	No formal educational	None	Moderate-term OJT
47-2061	Construction Laborers	3,548	4,054	506	14.26	133	251	51	435	\$37,420	No formal educational	None	Short-term OJT
47-2071	Paving, Surfacing, and Tamping Equipment Operators	205	229	24	11.71	7	15	2	24	\$54,650	HS or EQ	None	Moderate-term OJT
47-2073	Operating Engineers and Other Construction Equipment Operators	574	656	82	14.29	24	43	8	75	\$60,490	HS or EQ	None	Moderate-term OJT
47-2081	Drywall and Ceiling Tile Installers	92	91	-1	-1.09	3	5	0	8	\$45,610	No formal educational	None	Moderate-term OJT
47-2111	Electricians	1,146	1,240	94	8.20	42	89	9	140	\$68,600	HS or EQ	None	Apprenticeship
47-2121	Glaziers	295	331	36	12.20	11	24	4	39	\$48,910	HS or EQ	None	Apprenticeship
47-2132	Insulation Workers, Mechanical	67	70	3	4.48	2	5	0	7		HS or EQ	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	599	636	37	6.18	21	31	4	56	\$51,370	No formal educational	None	Moderate-term OJT
47-2151	Pipelayers	100	115	15	15.00	4	7	2	13	\$49,100	No formal educational	None	Short-term OJT
47-2152	Plumbers, Pipefitters, and Steamfitters	941	1,061	120	12.75	36	67	12	115	\$67,990	HS or EQ	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	68	70	2	2.94	2	4	0	6	\$56,780	No formal educational	None	Long-term OJT
47-2171	Reinforcing Iron and Rebar Workers	177	194	17	9.60	5	14	2	21	\$43,190	HS or EQ	None	Apprenticeship
47-2181	Roofers	51	56	5	9.80	2	4	0	6	\$34,620	No formal educational	None	Moderate-term OJT
47-2221	Structural Iron and Steel Workers	237	261	24	10.13	7	19	2	28	\$56,210	HS or EQ	None	Apprenticeship
47-3000	Helpers, Construction Trades	775	895	120	15.48	35	81	12	128				
47-3012	Helpers--Carpenters	145	167	22	15.17	7	15	2	24	\$36,640	No formal educational	None	Short-term OJT
47-3013	Helpers--Electricians	68	75	7	10.29	3	7	1	11	\$36,050	HS or EQ	None	Short-term OJT
47-3015	Helpers--Pipefitters, Plumbers, Pipefitters, and Steamfitters	473	549	76	16.07	22	49	8	79	\$33,120	HS or EQ	None	Short-term OJT
47-3019	Helpers, Construction Trades, All Other	57	70	13	22.81	3	6	1	10		No formal educational	None	Short-term OJT
47-4000	Other Construction and Related Workers	594	655	61	10.27	28	40	6	74				
47-4011	Construction and Building Inspectors	310	335	25	8.06	16	18	2	36	\$85,560	HS or EQ	5 years or more	Moderate-term OJT
47-4041	Hazardous Materials Removal Workers	128	147	19	14.84	6	11	2	19	\$51,230	HS or EQ	None	Moderate-term OJT
47-4099	Construction and Related Workers, All Other	54	65	11	20.37	2	4	1	7	\$49,690	HS or EQ	None	Moderate-term OJT
49-0000	Installation, Maintenance, and Repair Occupations	9,428	9,976	548	5.81	362	568	55	985	\$53,290			
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	741	778	37	4.99	25	39	4	68				
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	741	778	37	4.99	25	39	4	68	\$73,900	HS or EQ	Less than 5 years	None
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	735	744	9	1.22	22	48	1	71				
49-2011	Computer, Automated Teller, and Office Machine Repairers	63	62	-1	-1.59	2	4	0	6	\$32,900	Some college, no degree	None	Short-term OJT
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	196	199	3	1.53	7	14	0	21	\$66,800	Postsecondary non-degree	None	Moderate-term OJT
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	177	178	1	0.56	4	11	0	15		Postsecondary non-degree	None	Long-term OJT
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	145	142	-3	-2.07	4	9	0	13		Postsecondary non-degree	Less than 5 years	Moderate-term OJT
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	109	114	5	4.59	4	7	0	11	\$45,090	HS or EQ	None	Moderate-term OJT
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	948	964	16	1.69	32	62	2	96				
49-3021	Automotive Body and Related Repairers	63	59	-4	-6.35	2	4	0	6	\$70,820	HS or EQ	None	Long-term OJT
49-3023	Automotive Service Technicians and Mechanics	468	438	-30	-6.41	14	27	-3	38	\$59,250	Postsecondary non-degree	None	Short-term OJT
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	105	116	11	10.48	3	6	1	10	\$56,470	HS or EQ	None	Long-term OJT
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	78	87	9	11.54	3	5	1	9	\$56,350	HS or EQ	None	Long-term OJT
49-3091	Bicycle Repairers	186	218	32	17.20	8	17	3	28	\$30,530	HS or EQ	None	Moderate-term OJT
49-9000	Other Installation, Maintenance, and Repair Occupations	7,004	7,490	486	6.94	284	418	49	751				
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	312	337	25	8.01	9	22	2	33	\$67,250	Postsecondary non-degree	None	Long-term OJT
49-9041	Industrial Machinery Mechanics	92	88	-4	-4.35	3	5	0	8	\$64,180	HS or EQ	None	Long-term OJT
49-9043	Maintenance Workers, Machinery	163	187	24	14.72	8	10	2	20	\$57,530	HS or EQ	None	Long-term OJT
49-9051	Electrical Power-Line Installers and Repairers	150	154	4	2.67	4	8	0	12		HS or EQ	None	Long-term OJT
49-9052	Telecommunications Line Installers and Repairers	315	267	-48	-15.24	7	22	-5	24	\$43,060	HS or EQ	None	Long-term OJT
49-9071	Maintenance and Repair Workers, General	5,178	5,599	421	8.13	220	300	42	562	\$46,810	HS or EQ	None	Moderate-term OJT
49-9096	Riggers	51	55	4	7.84	2	4	0	6	\$62,470	HS or EQ	None	Moderate-term OJT

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Soccode	Occupational Title	Employment Projections							Occupational Separations, 2016-2026, annual average			Worker Characteristics		
		Employment		Change 2016-2026		Labor Force	Occupational	Annual	Openings	Median	Typical Education	Work Experience	Typical on-the-job	
		2016	2026	Numeric	Percent	Exits	Transfers	Numeric Change	2016-2026	Annual Wage**	Needed for Entry	in a related Occupation	training needed to attain competency	
49-9098	Helpers--Installation, Maintenance, and Repair Workers	316	353	37	11.71	16	25	4	45	\$41,260	HS or EQ	None	Short-term OJT	
49-9099	Installation, Maintenance, and Repair Workers, All Other	243	268	25	10.29	9	15	2	26	\$37,690	HS or EQ	None	Moderate-term OJT	
51-0000	Production Occupations	5,433	5,491	58	1.07	258	366	6	630	\$53,040				
51-1000	Supervisors of Production Workers	296	299	3	1.01	10	19	0	29					
51-1011	First-Line Supervisors of Production and Operating Workers	296	299	3	1.01	10	19	0	29	\$75,220	HS or EQ	Less than 5 years	None	
51-2000	Assemblers and Fabricators	99	91	-8	-8.08	4	7	-1	10					
51-2099	Assemblers and Fabricators, All Other	54	50	-4	-7.41	2	4	0	6	\$24,080	HS or EQ	None	Moderate-term OJT	
51-3000	Food Processing Workers	737	812	75	10.18	42	60	8	110					
51-3011	Bakers	301	330	29	9.63	20	24	3	47	\$30,520	No formal educational	None	Long-term OJT	
51-3021	Butchers and Meat Cutters	297	329	32	10.77	14	24	3	41	\$45,320	No formal educational	None	Long-term OJT	
51-3092	Food Batchmakers	113	124	11	9.73	6	10	1	17	\$29,460	HS or EQ	None	Moderate-term OJT	
51-4000	Metal Workers and Plastic Workers	123	128	5	4.07	4	9	0	13					
51-5100	Printing Workers	1,349	1,323	-26	-1.93	65	87	-3	149					
51-5111	Prepress Technicians and Workers	313	310	-3	-0.96	13	24	0	37		Postsecondary non-deg	None	None	
51-5112	Printing Press Operators	705	684	-21	-2.98	27	45	-2	70	\$89,140	HS or EQ	None	Moderate-term OJT	
51-5113	Print Binding and Finishing Workers	331	329	-2	-0.60	25	18	0	43	\$76,410	HS or EQ	None	Moderate-term OJT	
51-6000	Textile, Apparel, and Furnishings Workers	990	914	-76	-7.68	68	54	-8	114					
51-6011	Laundry and Dry-Cleaning Workers	432	427	-5	-1.16	29	29	0	58	\$34,550	No formal educational	None	Short-term OJT	
51-6021	Pressers, Textile, Garment, and Related Materials	132	123	-9	-6.82	8	8	-1	15	\$21,860	No formal educational	None	Short-term OJT	
51-6052	Tailors, Dressmakers, and Custom Sewers	315	269	-46	-14.60	26	11	-5	32	\$45,300	No formal educational	None	Moderate-term OJT	
51-7000	Woodworkers	102	107	5	4.90	5	6	0	11					
51-7011	Cabinetmakers and Bench Carpenters	89	94	5	5.62	4	5	0	9	\$57,060	HS or EQ	None	Moderate-term OJT	
51-8000	Plant and System Operators	1,148	1,206	58	5.05	35	80	6	121					
51-8021	Stationary Engineers and Boiler Operators	728	791	63	8.65	24	54	6	84	\$73,540	HS or EQ	None	Long-term OJT	
51-8031	Water and Wastewater Treatment Plant and System Operators	236	229	-7	-2.97	7	12	-1	18	\$54,880	HS or EQ	None	Long-term OJT	
51-8099	Plant and System Operators, All Other	179	182	3	1.68	4	14	0	18		HS or EQ	None	Moderate-term OJT	
51-9000	Other Production Occupations	589	611	22	3.74	25	46	2	73					
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	88	87	-1	-1.14	4	7	0	11	\$54,670	HS or EQ	None	Moderate-term OJT	
51-9081	Dental Laboratory Technicians	68	76	8	11.76	3	5	1	9	\$76,500	HS or EQ	None	Moderate-term OJT	
51-9151	Photographic Process Workers and Processing Machine Operators	73	61	-12	-16.44	4	7	-1	10	\$23,490	HS or EQ	None	Short-term OJT	
51-9199	Production Workers, All Other	143	159	16	11.19	6	11	2	19	\$35,140	HS or EQ	None	Moderate-term OJT	
53-0000	Transportation and Material Moving Occupations	17,250	18,219	969	5.62	1,029	1,117	97	2,243	\$37,120				
53-1000	Supervisors of Transportation and Material Moving Workers	615	677	62	10.08	21	44	6	71					
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	78	84	6	7.69	3	6	1	10	\$55,350	HS or EQ	Less than 5 years	None	
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and V	537	593	56	10.43	18	39	6	63	\$63,260	HS or EQ	Less than 5 years	None	
53-2000	Air Transportation Workers	722	739	17	2.35	23	43	2	68					
53-2021	Air Traffic Controllers	703	717	14	1.99	23	42	1	66	\$22,900	Associate's degree	None	Long-term OJT	
53-3000	Motor Vehicle Operators	9,140	9,576	436	4.77	628	454	44	1,126					
53-3021	Bus Drivers, Transit and Intercity	490	539	49	10.00	40	21	5	66	\$35,350	HS or EQ	None	Moderate-term OJT	
53-3022	Bus Drivers, School or Special Client	3,886	4,260	374	9.62	320	166	37	523	\$40,270	HS or EQ	None	Short-term OJT	
53-3031	Driver/Sales Workers	482	499	17	3.53	21	31	2	54	\$24,850	HS or EQ	None	Short-term OJT	
53-3032	Heavy and Tractor-Trailer Truck Drivers	540	584	44	8.15	24	35	4	63	\$48,610	Postsecondary non-deg	None	Short-term OJT	
53-3033	Light Truck or Delivery Services Drivers	1,771	1,890	119	6.72	78	115	12	205	\$26,250	HS or EQ	None	Short-term OJT	
53-3041	Taxi Drivers and Chauffeurs	1,363	1,183	-180	-13.21	76	52	-18	110	\$30,110	No formal educational	None	Short-term OJT	
53-3099	Motor Vehicle Operators, All Other	603	615	12	1.99	70	34	1	105	\$52,580	No formal educational	None	Short-term OJT	
53-5000	Water Transportation Workers	156	171	15	9.62	6	12	2	20					
53-5021	Captains, Mates, and Pilots of Water Vessels	76	84	8	10.53	3	5	1	9		Postsecondary non-deg	Less than 5 years	None	
53-6000	Other Transportation Workers	3,288	3,410	122	3.71	181	278	12	471					
53-6021	Parking Lot Attendants	2,318	2,415	97	4.18	139	208	10	357	\$23,660	No formal educational	None	Short-term OJT	
53-6031	Automotive and Watercraft Service Attendants	98	108	10	10.20	6	11	1	18	\$26,650	No formal educational	None	Short-term OJT	
53-6041	Traffic Technicians	113	115	2	1.77	5	8	0	13		HS or EQ	None	Moderate-term OJT	

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		2016	2026	Numeric	Percent	Exits	Transfers	Numeric Change	2016-2026	Annual Wage**	Needed for Entry	in a related Occupation	training needed to attain competency	
53-6051	Transportation Inspectors	259	263	4	1.54	9	16	0	25	\$110,680	HS or EQ	None	Moderate-term OJT	
53-6099	Transportation Workers, All Other	488	496	8	1.64	21	34	1	56	\$39,390	HS or EQ	None	Short-term OJT	
53-7000	Material Moving Workers	3,329	3,646	317	9.52	170	286	32	488					
53-7021	Crane and Tower Operators	125	145	20	16.00	4	10	2	16	\$68,780	HS or EQ	Less than 5 years	Moderate-term OJT	
53-7032	Excavating and Loading Machine and Dragline Operators	58	70	12	20.69	2	5	1	8	\$53,680	HS or EQ	Less than 5 years	Moderate-term OJT	
53-7051	Industrial Truck and Tractor Operators	76	81	5	6.58	3	6	0	9	\$52,380	No formal educational d	None	Short-term OJT	
53-7061	Cleaners of Vehicles and Equipment	207	212	5	2.42	11	18	0	29	\$41,580	No formal educational d	None	Short-term OJT	
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,044	2,284	240	11.74	107	185	24	316	\$37,470	No formal educational d	None	Short-term OJT	
53-7064	Packers and Packagers, Hand	213	209	-4	-1.88	14	17	0	31	\$24,770	No formal educational d	None	Short-term OJT	
53-7081	Refuse and Recyclable Material Collectors	594	632	38	6.40	28	45	4	77	\$43,600	No formal educational d	None	Short-term OJT	

Notes: *District of Columbia Long-Term Industry and Occupational Projections, 2016 - 2026

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

N/A - not available

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