



Occupation Projections 2016-2020

Williamson County

Report Info

Dataset Version	2016.2
Class of Worker Categories	QCEW Employees
Timeframe	2016 - 2020
Region Name	Williamson County
Region Description	Williamson County TN
Counties	

Williamson, TN (47187)

2-digit SOC	Description	2016 Jobs	2020 Jobs	% Change	Change	Median Hourly Earnings	Openings	Annual Openings	Education Level
11-0000	Management Occupations	9,573	10,549	10%	976	\$45.24	1,906	477	N/A
13-0000	Business and Financial Operations Occupations	9,736	11,091	14%	1,355	\$29.62	2,277	569	N/A
15-0000	Computer and Mathematical Occupations	5,556	6,344	14%	788	\$37.48	1,148	287	N/A
17-0000	Architecture and Engineering Occupations	1,624	1,742	7%	118	\$33.79	279	70	N/A
19-0000	Life, Physical, and Social Science Occupations	437	489	12%	52	\$28.51	107	27	N/A
21-0000	Community and Social Service Occupations	854	999	17%	145	\$20.20	227	57	N/A
23-0000	Legal Occupations	702	840	20%	138	\$35.15	196	49	N/A
25-0000	Education, Training, and Library Occupations	4,213	4,702	12%	489	\$21.22	903	226	N/A
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	1,724	1,893	10%	169	\$22.17	367	92	N/A
29-0000	Healthcare Practitioners and Technical Occupations	6,693	7,550	13%	857	\$33.02	1,493	373	N/A
31-0000	Healthcare Support Occupations	3,159	3,651	16%	492	\$13.93	800	200	N/A
33-0000	Protective Service Occupations	1,036	1,167	13%	131	\$16.13	242	61	N/A
35-0000	Food Preparation and Serving Related Occupations	10,739	11,874	11%	1,135	\$9.76	2,832	708	N/A
37-0000	Building and Grounds Cleaning and Maintenance Occupations	3,215	3,504	9%	289	\$10.95	567	142	N/A
39-0000	Personal Care and Service Occupations	4,227	4,833	14%	606	\$11.50	988	247	N/A
41-0000	Sales and Related Occupations	14,483	15,979	10%	1,496	\$17.00	3,347	837	N/A
43-0000	Office and Administrative Support Occupations	24,553	26,740	9%	2,187	\$16.95	4,346	1,087	N/A
45-0000	Farming, Fishing, and Forestry Occupations	144	135	(6%)	(9)	\$12.42	15	4	N/A
47-0000	Construction and Extraction Occupations	3,526	3,637	3%	111	\$18.57	427	107	N/A
49-0000	Installation, Maintenance, and Repair Occupations	4,071	4,530	11%	459	\$20.76	860	215	N/A
51-0000	Production Occupations	3,690	3,817	3%	127	\$16.82	518	130	N/A

53-0000	Transportation and Material Moving Occupations	5,991	6,505	9%	514	\$14.73	1,192	298	N/A
55-0000	Military occupations	0	0	0%	0	\$0.00	0	0	N/A
99-0000	Unclassified Occupation	0	0	0%	0	\$0.00	0	0	N/A
		119,947	132,573	11%	12,626	\$21.49	25,037	6,259	

3-digit SOC	Description	2016 Jobs	2020 Jobs	Change	% Change	Openings	Annual Openings	Median Hourly Earnings	Education Level
11-1000	Top Executives	2,921	3,224	303	10%	607	152	\$51.60	N/A
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	1,201	1,336	135	11%	263	66	\$43.48	N/A
11-3000	Operations Specialties Managers	3,192	3,535	343	11%	625	156	\$46.81	N/A
11-9000	Other Management Occupations	2,259	2,455	196	9%	410	103	\$35.76	N/A
13-1000	Business Operations Specialists	4,597	5,159	562	12%	930	233	\$29.77	N/A
13-2000	Financial Specialists	5,138	5,933	795	15%	1,347	337	\$29.50	N/A
15-1100	Computer Occupations	5,281	6,028	747	14%	1,084	271	\$37.59	N/A
15-2000	Mathematical Science Occupations	275	315	40	15%	64	16	\$35.45	N/A
17-1000	Architects, Surveyors, and Cartographers	170	186	16	9%	31	8	\$25.63	N/A
17-2000	Engineers	961	1,038	77	8%	186	47	\$40.64	N/A
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	493	518	25	5%	63	16	\$23.55	N/A
19-1000	Life Scientists	103	112	9	9%	23	6	\$31.05	N/A
19-2000	Physical Scientists	100	114	14	14%	26	7	\$33.30	N/A
19-3000	Social Scientists and Related Workers	97	112	15	15%	22	6	\$31.34	N/A
19-4000	Life, Physical, and Social Science Technicians	137	151	14	10%	36	9	\$21.35	N/A
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	835	978	143	17%	224	56	\$20.21	N/A
21-2000	Religious Workers	19	20	1	5%	<10	Insf. Data	\$20.04	N/A
23-1000	Lawyers, Judges, and Related Workers	366	440	74	20%	99	25	\$47.55	N/A
23-2000	Legal Support Workers	336	399	63	19%	97	24	\$22.02	N/A
25-1000	Postsecondary Teachers	110	123	13	12%	22	6	\$22.66	N/A
25-2000	Preschool, Primary, Secondary, and Special Education School Teachers	2,688	2,969	281	10%	555	139	\$24.25	N/A
25-3000	Other Teachers and Instructors	684	786	102	15%	159	40	\$15.62	N/A
25-4000	Librarians, Curators, and Archivists	102	112	10	10%	22	6	\$20.68	N/A
25-9000	Other Education, Training, and Library Occupations	630	712	82	13%	145	36	\$13.51	N/A
27-1000	Art and Design Workers	526	581	55	10%	111	28	\$22.08	N/A
27-2000	Entertainers and Performers, Sports and Related Workers	537	581	44	8%	121	30	\$22.55	N/A
27-3000	Media and Communication Workers	474	530	56	12%	106	27	\$21.61	N/A
27-4000	Media and Communication Equipment Workers	187	201	14	7%	30	8	\$22.64	N/A
29-1000	Health Diagnosing and Treating Practitioners	3,486	3,953	467	13%	825	206	\$43.88	N/A
29-2000	Health Technologists and Technicians	3,020	3,390	370	12%	631	158	\$21.00	N/A
29-9000	Other Healthcare Practitioners and Technical Occupations	186	207	21	11%	37	9	\$27.10	N/A

31-1000	Nursing, Psychiatric, and Home Health Aides	1,435	1,633	198	14%	340	85	\$11.50	N/A
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	212	271	59	28%	88	22	\$22.94	N/A
31-9000	Other Healthcare Support Occupations	1,512	1,747	235	16%	372	93	\$14.79	N/A
33-1000	Supervisors of Protective Service Workers	113	127	14	12%	32	8	\$24.00	N/A
33-2000	Fire Fighting and Prevention Workers	125	144	19	15%	35	9	\$17.87	N/A
33-3000	Law Enforcement Workers	342	393	51	15%	98	25	\$18.37	N/A
33-9000	Other Protective Service Workers	456	504	48	11%	77	19	\$12.05	N/A
35-1000	Supervisors of Food Preparation and Serving Workers	840	944	104	12%	205	51	\$16.22	N/A
35-2000	Cooks and Food Preparation Workers	3,340	3,652	312	9%	696	174	\$9.81	N/A
35-3000	Food and Beverage Serving Workers	5,522	6,140	618	11%	1,589	397	\$8.91	N/A
35-9000	Other Food Preparation and Serving Related Workers	1,037	1,138	101	10%	341	85	\$8.94	N/A
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	179	199	20	11%	32	8	\$17.14	N/A
37-2000	Building Cleaning and Pest Control Workers	2,163	2,316	153	7%	350	88	\$10.01	N/A
37-3000	Grounds Maintenance Workers	873	989	116	13%	185	46	\$12.05	N/A
39-1000	Supervisors of Personal Care and Service Workers	164	186	22	13%	36	9	\$16.85	N/A
39-2000	Animal Care and Service Workers	150	171	21	14%	35	9	\$9.77	N/A
39-3000	Entertainment Attendants and Related Workers	305	348	43	14%	106	27	\$9.42	N/A
39-4000	Funeral Service Workers	29	27	(2)	(7%)	<10	Insf. Data	\$15.85	N/A
39-5000	Personal Appearance Workers	618	704	86	14%	147	37	\$14.29	N/A
39-6000	Baggage Porters, Bellhops, and Concierges	33	36	3	9%	<10	Insf. Data	\$11.19	N/A
39-7000	Tour and Travel Guides	34	37	3	9%	<10	Insf. Data	\$15.77	N/A
39-9000	Other Personal Care and Service Workers	2,895	3,323	428	15%	647	162	\$10.79	N/A
41-1000	Supervisors of Sales Workers	1,526	1,663	137	9%	267	67	\$23.58	N/A
41-2000	Retail Sales Workers	8,138	8,955	817	10%	2,087	522	\$10.67	N/A
41-3000	Sales Representatives, Services	2,780	3,084	304	11%	585	146	\$24.74	N/A
41-4000	Sales Representatives, Wholesale and Manufacturing	1,368	1,543	175	13%	298	75	\$31.51	N/A
41-9000	Other Sales and Related Workers	671	734	63	9%	111	28	\$17.87	N/A
43-1000	Supervisors of Office and Administrative Support Workers	1,814	2,003	189	10%	307	77	\$25.92	N/A
43-2000	Communications Equipment Operators	120	117	(3)	(3%)	<10	Insf. Data	\$13.86	N/A
43-3000	Financial Clerks	4,762	5,084	322	7%	705	176	\$16.39	N/A
43-4000	Information and Record Clerks	6,326	6,966	640	10%	1,302	326	\$15.99	N/A
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	3,759	4,058	299	8%	743	186	\$14.83	N/A
43-6000	Secretaries and Administrative Assistants	3,538	3,888	350	10%	510	128	\$17.56	N/A
43-9000	Other Office and Administrative Support Workers	4,234	4,623	389	9%	773	193	\$16.78	N/A
45-1000	Supervisors of Farming, Fishing, and Forestry Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	N/A

45-2000	Agricultural Workers	132	123	(9)	(7%)	14	4	\$11.97	N/A
45-3000	Fishing and Hunting Workers	<10	0	Insf. Data	Insf. Data	0	0	Insf. Data	N/A
45-4000	Forest, Conservation, and Logging Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	N/A
47-1000	Supervisors of Construction and Extraction Workers	411	414	3	1%	16	4	\$27.05	N/A
47-2000	Construction Trades Workers	2,697	2,769	72	3%	335	84	\$17.62	N/A
47-3000	Helpers, Construction Trades	214	234	20	9%	36	9	\$14.34	N/A
47-4000	Other Construction and Related Workers	175	193	18	10%	38	10	\$17.75	N/A
47-5000	Extraction Workers	29	27	(2)	(7%)	<10	Insf. Data	\$19.70	N/A
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	351	392	41	12%	71	18	\$28.94	N/A
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	525	559	34	6%	70	18	\$20.40	N/A
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	1,201	1,371	170	14%	302	76	\$19.12	N/A
49-9000	Other Installation, Maintenance, and Repair Occupations	1,993	2,208	215	11%	418	105	\$20.38	N/A
51-1000	Supervisors of Production Workers	226	232	6	3%	20	5	\$27.47	N/A
51-2000	Assemblers and Fabricators	1,119	1,166	47	4%	138	35	\$16.11	N/A
51-3000	Food Processing Workers	256	284	28	11%	51	13	\$14.66	N/A
51-4000	Metal Workers and Plastic Workers	402	404	2	0%	53	13	\$18.63	N/A
51-5100	Printing Workers	222	210	(12)	(5%)	13	3	\$17.57	N/A
51-6000	Textile, Apparel, and Furnishings Workers	190	184	(6)	(3%)	17	4	\$10.51	N/A
51-7000	Woodworkers	52	53	1	2%	<10	Insf. Data	\$12.47	N/A
51-8000	Plant and System Operators	125	130	5	4%	24	6	\$25.71	N/A
51-9000	Other Production Occupations	1,098	1,154	56	5%	195	49	\$15.17	N/A
53-1000	Supervisors of Transportation and Material Moving Workers	272	293	21	8%	58	15	\$25.86	N/A
53-2000	Air Transportation Workers	15	16	1	7%	<10	Insf. Data	Insf. Data	N/A
53-3000	Motor Vehicle Operators	1,824	1,964	140	8%	273	68	\$17.61	N/A
53-4000	Rail Transportation Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	N/A
53-5000	Water Transportation Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	N/A
53-6000	Other Transportation Workers	292	325	33	11%	93	23	\$11.53	N/A
53-7000	Material Moving Workers	3,579	3,896	317	9%	762	191	\$12.48	N/A
55-9000	Military occupations	0	0	0	0%	0	0	\$0.00	N/A
99-9000	Unclassified Occupation	0	0	0	0%	0	0	\$0.00	N/A
		119,947	132,573	12,626	11%	25,037	6,259	\$21.49	

SOC	Description	2014 Jobs	2018 Jobs	Change	% Change	Openings	Annual Openings	Median Hourly Earnings	Typical Entry Level Education
11-1011	Chief Executives	352	377	25	7%	50	13	\$76.76	Bachelor's degree
11-1021	General and Operations Managers	2,543	2,818	275	11%	552	138	\$48.58	Bachelor's degree
11-1031	Legislators	26	29	3	12%	<10	Insf. Data	\$8.60	Bachelor's degree
11-2011	Advertising and Promotions Managers	52	58	6	12%	13	3	\$29.73	Bachelor's degree
11-2021	Marketing Managers	396	445	49	12%	90	23	\$44.89	Bachelor's degree
11-2022	Sales Managers	687	759	72	10%	142	36	\$44.08	Bachelor's degree
11-2031	Public Relations and Fundraising Managers	66	73	7	11%	17	4	\$40.04	Bachelor's degree
11-3011	Administrative Services Managers	496	546	50	10%	89	22	\$37.89	Bachelor's degree
11-3021	Computer and Information Systems Managers	753	857	104	14%	143	36	\$55.24	Bachelor's degree
11-3031	Financial Managers	1,334	1,460	126	9%	260	65	\$47.42	Bachelor's degree
11-3051	Industrial Production Managers	91	95	4	4%	14	4	\$41.66	Bachelor's degree
11-3061	Purchasing Managers	104	114	10	10%	20	5	\$40.71	Bachelor's degree
11-3071	Transportation, Storage, and Distribution Managers	108	119	11	10%	21	5	\$40.77	High school diploma or equivalent
11-3111	Compensation and Benefits Managers	40	45	5	13%	<10	Insf. Data	\$52.66	Bachelor's degree
11-3121	Human Resources Managers	192	220	28	15%	52	13	\$43.41	Bachelor's degree
11-3131	Training and Development Managers	72	79	7	10%	16	4	\$41.33	Bachelor's degree
11-9013	Farmers, Ranchers, and Other Agricultural Managers	13	10	(3)	(23%)	<10	Insf. Data	\$20.21	High school diploma or equivalent
11-9021	Construction Managers	332	331	(1)	(0%)	19	5	\$40.33	Bachelor's degree
11-9031	Education Administrators, Preschool and Childcare Center/Program	36	44	8	22%	12	3	\$18.91	Bachelor's degree
11-9032	Education Administrators, Elementary and Secondary School	143	155	12	8%	30	8	\$43.45	Master's degree
11-9033	Education Administrators, Postsecondary	13	14	1	8%	<10	Insf. Data	\$33.97	Master's degree
11-9039	Education Administrators, All Other	70	76	6	9%	15	4	\$24.24	Bachelor's degree
11-9041	Architectural and Engineering Managers	129	140	11	9%	27	7	\$56.87	Bachelor's degree
11-9051	Food Service Managers	435	477	42	10%	80	20	\$22.23	High school diploma or equivalent
11-9061	Funeral Service Managers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Associate's degree
11-9071	Gaming Managers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
11-9081	Lodging Managers	34	38	4	12%	<10	Insf. Data	\$18.14	High school diploma or equivalent
11-9111	Medical and Health Services Managers	390	436	46	12%	88	22	\$45.56	Bachelor's degree
11-9121	Natural Sciences Managers	21	23	2	10%	<10	Insf. Data	\$50.72	Bachelor's degree
11-9131	Postmasters and Mail Superintendents	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent

11-9141	Property, Real Estate, and Community Association Managers	253	270	17	7%	35	9	\$24.43	High school diploma or equivalent
11-9151	Social and Community Service Managers	103	117	14	14%	26	7	\$32.36	Bachelor's degree
11-9161	Emergency Management Directors	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
11-9199	Managers, All Other	276	311	35	13%	62	16	\$43.28	Bachelor's degree
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	70	79	9	13%	18	5	\$24.74	Bachelor's degree
13-1021	Buyers and Purchasing Agents, Farm Products	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
13-1022	Wholesale and Retail Buyers, Except Farm Products	233	261	28	12%	60	15	\$27.84	Bachelor's degree
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	152	169	17	11%	35	9	\$28.64	Bachelor's degree
13-1031	Claims Adjusters, Examiners, and Investigators	433	483	50	12%	96	24	\$27.71	High school diploma or equivalent
13-1032	Insurance Appraisers, Auto Damage	24	26	2	8%	<10	Insf. Data	\$31.21	Postsecondary nondegree award
13-1041	Compliance Officers	184	204	20	11%	32	8	\$27.11	Bachelor's degree
13-1051	Cost Estimators	177	186	9	5%	30	8	\$27.73	Bachelor's degree
13-1071	Human Resources Specialists	468	523	55	12%	105	26	\$29.08	Bachelor's degree
13-1074	Farm Labor Contractors	0	0	0	0%	0	0	\$0.00	No formal educational credential
13-1075	Labor Relations Specialists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
13-1081	Logisticians	115	127	12	10%	20	5	\$32.11	Bachelor's degree
13-1111	Management Analysts	828	927	99	12%	149	37	\$37.31	Bachelor's degree
13-1121	Meeting, Convention, and Event Planners	63	71	8	13%	11	3	\$18.47	Bachelor's degree
13-1131	Fundraisers	23	26	3	13%	<10	Insf. Data	\$29.96	Bachelor's degree
13-1141	Compensation, Benefits, and Job Analysis Specialists	98	112	14	14%	24	6	\$25.20	Bachelor's degree
13-1151	Training and Development Specialists	304	337	33	11%	65	16	\$30.66	Bachelor's degree
13-1161	Market Research Analysts and Marketing Specialists	770	889	119	15%	159	40	\$27.03	Bachelor's degree
13-1199	Business Operations Specialists, All Other	642	723	81	13%	114	29	\$29.02	Bachelor's degree
13-2011	Accountants and Auditors	2,863	3,401	538	19%	882	221	\$25.91	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	42	47	5	12%	<10	Insf. Data	\$26.61	Bachelor's degree
13-2031	Budget Analysts	34	38	4	12%	<10	Insf. Data	\$33.83	Bachelor's degree
13-2041	Credit Analysts	181	187	6	3%	39	10	\$28.28	Bachelor's degree
13-2051	Financial Analysts	432	484	52	12%	90	23	\$35.79	Bachelor's degree

13-2052	Personal Financial Advisors	294	347	53	18%	86	22	\$46.43	Bachelor's degree
13-2053	Insurance Underwriters	253	258	5	2%	24	6	\$32.86	Bachelor's degree
13-2061	Financial Examiners	43	48	5	12%	<10	Insf. Data	\$41.24	Bachelor's degree
13-2071	Credit Counselors	23	28	5	22%	<10	Insf. Data	\$18.57	Bachelor's degree
13-2072	Loan Officers	723	796	73	10%	124	31	\$33.69	Bachelor's degree
13-2081	Tax Examiners and Collectors, and Revenue Agents	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
13-2082	Tax Preparers	128	161	33	26%	48	12	\$26.84	High school diploma or equivalent
13-2099	Financial Specialists, All Other	115	131	16	14%	21	5	\$24.65	Bachelor's degree
15-1111	Computer and Information Research Scientists	42	50	8	19%	10	3	\$27.33	Doctoral or professional degree
15-1121	Computer Systems Analysts	1,049	1,197	148	14%	208	52	\$38.96	Bachelor's degree
15-1122	Information Security Analysts	120	136	16	13%	23	6	\$38.64	Bachelor's degree
15-1131	Computer Programmers	501	531	30	6%	82	21	\$40.10	Bachelor's degree
15-1132	Software Developers, Applications	920	1,092	172	19%	232	58	\$43.88	Bachelor's degree
15-1133	Software Developers, Systems Software	408	478	70	17%	96	24	\$47.54	Bachelor's degree
15-1134	Web Developers	150	179	29	19%	38	10	\$30.03	Associate's degree
15-1141	Database Administrators	129	147	18	14%	30	8	\$42.73	Bachelor's degree
15-1142	Network and Computer Systems Administrators	442	497	55	12%	80	20	\$40.86	Bachelor's degree
15-1143	Computer Network Architects	178	198	20	11%	31	8	\$57.27	Bachelor's degree
15-1151	Computer User Support Specialists	882	1,008	126	14%	176	44	\$22.99	Some college, no degree
15-1152	Computer Network Support Specialists	297	327	30	10%	46	12	\$29.92	Associate's degree
15-1199	Computer Occupations, All Other	164	186	22	13%	31	8	\$30.13	Bachelor's degree
15-2011	Actuaries	41	46	5	12%	10	3	\$34.90	Bachelor's degree
15-2021	Mathematicians	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
15-2031	Operations Research Analysts	194	223	29	15%	44	11	\$36.52	Bachelor's degree
15-2041	Statisticians	35	40	5	14%	<10	Insf. Data	\$30.52	Master's degree
15-2091	Mathematical Technicians	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Bachelor's degree
15-2099	Mathematical Science Occupations, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
17-1011	Architects, Except Landscape and Naval	111	122	11	10%	18	5	\$27.72	Bachelor's degree
17-1012	Landscape Architects	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
17-1021	Cartographers and Photogrammetrists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
17-1022	Surveyors	43	45	2	5%	<10	Insf. Data	\$19.97	Bachelor's degree
17-2011	Aerospace Engineers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
17-2021	Agricultural Engineers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Bachelor's degree
17-2031	Biomedical Engineers	16	17	1	6%	<10	Insf. Data	\$44.69	Bachelor's degree

17-2041	Chemical Engineers	13	14	1	8%	<10	Insf. Data	\$37.74	Bachelor's degree
17-2051	Civil Engineers	195	217	22	11%	46	12	\$43.09	Bachelor's degree
17-2061	Computer Hardware Engineers	80	88	8	10%	15	4	\$44.46	Bachelor's degree
17-2071	Electrical Engineers	88	96	8	9%	16	4	\$37.12	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	75	75	0	0%	<10	Insf. Data	\$44.52	Bachelor's degree
17-2081	Environmental Engineers	36	41	5	14%	<10	Insf. Data	\$43.08	Bachelor's degree
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	25	26	1	4%	<10	Insf. Data	\$38.63	Bachelor's degree
17-2112	Industrial Engineers	216	225	9	4%	35	9	\$41.22	Bachelor's degree
17-2121	Marine Engineers and Naval Architects	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
17-2131	Materials Engineers	12	12	0	0%	<10	Insf. Data	Insf. Data	Bachelor's degree
17-2141	Mechanical Engineers	102	112	10	10%	24	6	\$39.24	Bachelor's degree
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
17-2161	Nuclear Engineers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
17-2171	Petroleum Engineers	11	13	2	18%	<10	Insf. Data	Insf. Data	Bachelor's degree
17-2199	Engineers, All Other	77	84	7	9%	14	4	\$25.04	Bachelor's degree
17-3011	Architectural and Civil Drafters	102	107	5	5%	<10	Insf. Data	\$20.88	Associate's degree
17-3012	Electrical and Electronics Drafters	30	33	3	10%	<10	Insf. Data	\$28.08	Associate's degree
17-3013	Mechanical Drafters	28	30	2	7%	<10	Insf. Data	\$26.84	Associate's degree
17-3019	Drafters, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Associate's degree
17-3021	Aerospace Engineering and Operations Technicians	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Associate's degree
17-3022	Civil Engineering Technicians	23	26	3	13%	<10	Insf. Data	\$23.89	Associate's degree
17-3023	Electrical and Electronics Engineering Technicians	73	76	3	4%	<10	Insf. Data	\$26.65	Associate's degree
17-3024	Electro-Mechanical Technicians	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Associate's degree
17-3025	Environmental Engineering Technicians	49	52	3	6%	<10	Insf. Data	\$23.45	Associate's degree
17-3026	Industrial Engineering Technicians	31	31	0	0%	<10	Insf. Data	\$21.77	Associate's degree
17-3027	Mechanical Engineering Technicians	40	42	2	5%	<10	Insf. Data	\$28.30	Associate's degree
17-3029	Engineering Technicians, Except Drafters, All Other	21	23	2	10%	<10	Insf. Data	\$33.04	Associate's degree
17-3031	Surveying and Mapping Technicians	80	82	2	3%	<10	Insf. Data	\$17.43	High school diploma or equivalent
19-1011	Animal Scientists	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Bachelor's degree
19-1012	Food Scientists and Technologists	11	12	1	9%	<10	Insf. Data	Insf. Data	Bachelor's degree
19-1013	Soil and Plant Scientists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
19-1021	Biochemists and Biophysicists	13	14	1	8%	<10	Insf. Data	\$31.92	Doctoral or professional degree
19-1022	Microbiologists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree

19-1029	Biological Scientists, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
19-1031	Conservation Scientists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
19-1032	Foresters	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
19-1041	Epidemiologists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
19-1042	Medical Scientists, Except Epidemiologists	42	46	4	10%	10	3	\$30.98	Doctoral or professional degree
19-1099	Life Scientists, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
19-2011	Astronomers	0	0	0	0%	0	0	\$0.00	Doctoral or professional degree
19-2012	Physicists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Doctoral or professional degree
19-2021	Atmospheric and Space Scientists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
19-2031	Chemists	21	23	2	10%	<10	Insf. Data	\$28.08	Bachelor's degree
19-2032	Materials Scientists	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	51	58	7	14%	14	4	\$31.50	Bachelor's degree
19-2042	Geoscientists, Except Hydrologists and Geographers	14	16	2	14%	<10	Insf. Data	\$33.74	Bachelor's degree
19-2043	Hydrologists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
19-2099	Physical Scientists, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
19-3011	Economists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
19-3022	Survey Researchers	11	15	4	36%	<10	Insf. Data	Insf. Data	Master's degree
19-3031	Clinical, Counseling, and School Psychologists	45	50	5	11%	<10	Insf. Data	\$36.18	Doctoral or professional degree
19-3032	Industrial-Organizational Psychologists	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Master's degree
19-3039	Psychologists, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
19-3041	Sociologists	0	0	0	0%	0	0	\$0.00	Master's degree
19-3051	Urban and Regional Planners	13	15	2	15%	<10	Insf. Data	\$24.71	Master's degree
19-3091	Anthropologists and Archeologists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
19-3092	Geographers	<10	<10	Insf. Data	Insf. Data	0	0	\$0.00	Bachelor's degree
19-3093	Historians	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Master's degree
19-3094	Political Scientists	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Master's degree
19-3099	Social Scientists and Related Workers, All Other	12	13	1	8%	<10	Insf. Data	Insf. Data	Bachelor's degree
19-4011	Agricultural and Food Science Technicians	12	12	0	0%	<10	Insf. Data	\$14.76	Associate's degree
19-4021	Biological Technicians	14	14	0	0%	<10	Insf. Data	\$16.82	Bachelor's degree
19-4031	Chemical Technicians	33	35	2	6%	<10	Insf. Data	\$19.04	Associate's degree
19-4041	Geological and Petroleum Technicians	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Associate's degree
19-4051	Nuclear Technicians	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Associate's degree
19-4061	Social Science Research Assistants	10	12	2	20%	<10	Insf. Data	Insf. Data	Bachelor's degree

19-4091	Environmental Science and Protection Technicians, Including Health	19	22	3	16%	<10	Insf. Data	\$21.54	Associate's degree
19-4092	Forensic Science Technicians	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
19-4093	Forest and Conservation Technicians	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Associate's degree
19-4099	Life, Physical, and Social Science Technicians, All Other	29	32	3	10%	<10	Insf. Data	\$27.26	Associate's degree
21-1011	Substance Abuse and Behavioral Disorder Counselors	37	47	10	27%	13	3	\$20.08	Bachelor's degree
21-1012	Educational, Guidance, School, and Vocational Counselors	82	91	9	11%	15	4	\$26.21	Master's degree
21-1013	Marriage and Family Therapists	13	15	2	15%	<10	Insf. Data	\$18.97	Master's degree
21-1014	Mental Health Counselors	149	172	23	15%	37	9	\$16.28	Master's degree
21-1015	Rehabilitation Counselors	43	50	7	16%	11	3	\$9.93	Master's degree
21-1019	Counselors, All Other	18	21	3	17%	<10	Insf. Data	\$21.44	Master's degree
21-1021	Child, Family, and School Social Workers	89	104	15	17%	24	6	\$21.69	Bachelor's degree
21-1022	Healthcare Social Workers	110	127	17	15%	29	7	\$28.36	Master's degree
21-1023	Mental Health and Substance Abuse Social Workers	45	56	11	24%	16	4	\$20.69	Bachelor's degree
21-1029	Social Workers, All Other	16	19	3	19%	<10	Insf. Data	\$30.64	Bachelor's degree
21-1091	Health Educators	56	62	6	11%	11	3	\$17.41	Bachelor's degree
21-1092	Probation Officers and Correctional Treatment Specialists	12	14	2	17%	<10	Insf. Data	\$16.52	Bachelor's degree
21-1093	Social and Human Service Assistants	97	122	25	26%	33	8	\$15.80	High school diploma or equivalent
21-1094	Community Health Workers	40	47	7	18%	<10	Insf. Data	\$16.72	High school diploma or equivalent
21-1099	Community and Social Service Specialists, All Other	27	32	5	19%	<10	Insf. Data	\$20.85	Master's degree
21-2011	Clergy	14	15	1	7%	<10	Insf. Data	\$19.19	Bachelor's degree
21-2021	Directors, Religious Activities and Education	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
21-2099	Religious Workers, All Other	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Bachelor's degree
23-1011	Lawyers	348	420	72	21%	95	24	\$47.33	Doctoral or professional degree
23-1012	Judicial Law Clerks	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Doctoral or professional degree
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Doctoral or professional degree
23-1022	Arbitrators, Mediators, and Conciliators	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
23-1023	Judges, Magistrate Judges, and Magistrates	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Doctoral or professional degree
23-2011	Paralegals and Legal Assistants	272	327	55	20%	82	21	\$23.18	Associate's degree
23-2091	Court Reporters	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Postsecondary nondegree award

23-2093	Title Examiners, Abstractors, and Searchers	45	49	4	9%	<10	Insf. Data	\$15.56	High school diploma or equivalent
23-2099	Legal Support Workers, All Other	14	16	2	14%	<10	Insf. Data	\$19.73	High school diploma or equivalent
25-1099	Postsecondary Teachers	110	123	13	12%	22	6	\$22.66	Doctoral or professional degree
25-2011	Preschool Teachers, Except Special Education	528	619	91	17%	160	40	\$12.90	Associate's degree
25-2012	Kindergarten Teachers, Except Special Education	124	136	12	10%	27	7	\$29.12	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	824	894	70	8%	147	37	\$26.55	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Career/Technical Education	394	427	33	8%	70	18	\$27.06	Bachelor's degree
25-2023	Career/Technical Education Teachers, Middle School	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	467	508	41	9%	89	22	\$26.83	Bachelor's degree
25-2032	Career/Technical Education Teachers, Secondary School	61	65	4	7%	10	3	\$24.66	Bachelor's degree
25-2051	Special Education Teachers, Preschool	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
25-2052	Special Education Teachers, Kindergarten and Elementary School	154	169	15	10%	27	7	\$23.74	Bachelor's degree
25-2053	Special Education Teachers, Middle School	41	44	3	7%	<10	Insf. Data	\$30.14	Bachelor's degree
25-2054	Special Education Teachers, Secondary School	59	65	6	10%	10	3	\$27.85	Bachelor's degree
25-2059	Special Education Teachers, All Other	29	31	2	7%	<10	Insf. Data	\$35.95	Bachelor's degree
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	28	32	4	14%	<10	Insf. Data	\$22.57	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	171	210	39	23%	54	14	\$12.52	High school diploma or equivalent
25-3098	Substitute Teachers	270	298	28	10%	49	12	\$11.28	Bachelor's degree
25-3099	Teachers and Instructors, All Other	215	246	31	14%	49	12	\$23.17	Bachelor's degree
25-4011	Archivists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
25-4012	Curators	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
25-4013	Museum Technicians and Conservators	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
25-4021	Librarians	66	71	5	8%	10	3	\$25.12	Master's degree
25-4031	Library Technicians	30	33	3	10%	<10	Insf. Data	\$11.01	Postsecondary nondegree award
25-9011	Audio-Visual and Multimedia Collections Specialists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree

25-9021	Farm and Home Management Advisors	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
25-9031	Instructional Coordinators	38	45	7	18%	<10	Insf. Data	\$33.51	Master's degree
25-9041	Teacher Assistants	576	648	72	13%	132	33	\$12.12	Some college, no degree
25-9099	Education, Training, and Library Workers, All Other	<10	13	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
27-1011	Art Directors	27	31	4	15%	<10	Insf. Data	\$35.85	Bachelor's degree
27-1012	Craft Artists	15	17	2	13%	<10	Insf. Data	\$14.95	No formal educational credential
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18	21	3	17%	<10	Insf. Data	\$12.58	Bachelor's degree
27-1014	Multimedia Artists and Animators	21	25	4	19%	<10	Insf. Data	\$25.17	Bachelor's degree
27-1019	Artists and Related Workers, All Other	17	19	2	12%	<10	Insf. Data	\$30.80	No formal educational credential
27-1021	Commercial and Industrial Designers	19	21	2	11%	<10	Insf. Data	\$26.17	Bachelor's degree
27-1022	Fashion Designers	<10	10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
27-1023	Floral Designers	28	23	(5)	(18%)	<10	Insf. Data	\$16.57	High school diploma or equivalent
27-1024	Graphic Designers	205	229	24	12%	45	11	\$23.50	Bachelor's degree
27-1025	Interior Designers	81	89	8	10%	16	4	\$19.47	Bachelor's degree
27-1026	Merchandise Displayers and Window Trimmers	65	72	7	11%	14	4	\$14.88	High school diploma or equivalent
27-1027	Set and Exhibit Designers	15	17	2	13%	<10	Insf. Data	\$27.51	Bachelor's degree
27-1029	Designers, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
27-2011	Actors	61	71	10	16%	20	5	\$20.20	Some college, no degree
27-2012	Producers and Directors	57	65	8	14%	16	4	\$23.17	Bachelor's degree
27-2021	Athletes and Sports Competitors	13	14	1	8%	<10	Insf. Data	\$22.17	No formal educational credential
27-2022	Coaches and Scouts	153	175	22	14%	45	11	\$18.79	Bachelor's degree
27-2023	Umpires, Referees, and Other Sports Officials	16	17	1	6%	<10	Insf. Data	\$15.19	High school diploma or equivalent
27-2031	Dancers	11	12	1	9%	<10	Insf. Data	\$15.75	No formal educational credential
27-2032	Choreographers	20	22	2	10%	<10	Insf. Data	\$23.24	High school diploma or equivalent
27-2041	Music Directors and Composers	23	23	0	0%	<10	Insf. Data	\$14.61	Bachelor's degree
27-2042	Musicians and Singers	155	152	(3)	(2%)	18	5	\$28.16	No formal educational credential
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	28	31	3	11%	<10	Insf. Data	\$24.78	No formal educational credential
27-3011	Radio and Television Announcers	35	29	(6)	(17%)	<10	Insf. Data	\$9.36	Bachelor's degree
27-3012	Public Address System and Other Announcers	17	19	2	12%	<10	Insf. Data	\$8.46	High school diploma or equivalent
27-3021	Broadcast News Analysts	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Bachelor's degree
27-3022	Reporters and Correspondents	13	13	0	0%	<10	Insf. Data	\$18.99	Bachelor's degree
27-3031	Public Relations Specialists	133	152	19	14%	26	7	\$26.78	Bachelor's degree
27-3041	Editors	89	98	9	10%	23	6	\$25.76	Bachelor's degree
27-3042	Technical Writers	67	76	9	13%	16	4	\$28.79	Bachelor's degree

27-3043	Writers and Authors	57	63	6	11%	11	3	\$14.37	Bachelor's degree
27-3091	Interpreters and Translators	36	49	13	36%	16	4	\$18.66	Bachelor's degree
27-3099	Media and Communication Workers, All Other	27	30	3	11%	<10	Insf. Data	\$13.82	High school diploma or equivalent
27-4011	Audio and Video Equipment Technicians	77	85	8	10%	13	3	\$18.81	Postsecondary nondegree award
27-4012	Broadcast Technicians	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Associate's degree
27-4013	Radio Operators	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
27-4014	Sound Engineering Technicians	30	30	0	0%	<10	Insf. Data	\$23.86	Postsecondary nondegree award
27-4021	Photographers	17	16	(1)	(6%)	<10	Insf. Data	\$15.81	High school diploma or equivalent
27-4031	Camera Operators, Television, Video, and Motion Picture	11	13	2	18%	<10	Insf. Data	Insf. Data	Bachelor's degree
27-4032	Film and Video Editors	27	33	6	22%	<10	Insf. Data	\$31.63	Bachelor's degree
27-4099	Media and Communication Equipment Workers, All Other	17	19	2	12%	<10	Insf. Data	\$33.73	High school diploma or equivalent
29-1011	Chiropractors	31	38	7	23%	<10	Insf. Data	\$41.39	Doctoral or professional degree
29-1021	Dentists, General	64	74	10	16%	16	4	\$75.26	Doctoral or professional degree
29-1022	Oral and Maxillofacial Surgeons	14	15	1	7%	<10	Insf. Data	\$94.13	Doctoral or professional degree
29-1023	Orthodontists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Doctoral or professional degree
29-1024	Prosthodontists	0	<10	Insf. Data	Insf. Data	0	0	\$0.00	Doctoral or professional degree
29-1029	Dentists, All Other Specialists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Doctoral or professional degree
29-1031	Dietitians and Nutritionists	38	44	6	16%	<10	Insf. Data	\$28.14	Bachelor's degree
29-1041	Optometrists	23	28	5	22%	<10	Insf. Data	\$46.72	Doctoral or professional degree
29-1051	Pharmacists	310	336	26	8%	57	14	\$64.47	Doctoral or professional degree
29-1061	Anesthesiologists	20	23	3	15%	<10	Insf. Data	\$83.91	Doctoral or professional degree
29-1062	Family and General Practitioners	86	93	7	8%	17	4	\$78.34	Doctoral or professional degree
29-1063	Internists, General	10	13	3	30%	<10	Insf. Data	Insf. Data	Doctoral or professional degree
29-1064	Obstetricians and Gynecologists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Doctoral or professional degree
29-1065	Pediatricians, General	20	21	1	5%	<10	Insf. Data	\$74.16	Doctoral or professional degree
29-1066	Psychiatrists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Doctoral or professional degree
29-1067	Surgeons	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Doctoral or professional degree
29-1069	Physicians and Surgeons, All Other	179	203	24	13%	45	11	\$100.53	Doctoral or professional degree
29-1071	Physician Assistants	40	49	9	23%	13	3	\$37.56	Master's degree
29-1081	Podiatrists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Doctoral or professional degree
29-1122	Occupational Therapists	94	115	21	22%	30	8	\$43.61	Master's degree
29-1123	Physical Therapists	233	290	57	24%	86	22	\$41.40	Doctoral or professional degree
29-1124	Radiation Therapists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Associate's degree
29-1125	Recreational Therapists	17	19	2	12%	<10	Insf. Data	\$28.27	Bachelor's degree
29-1126	Respiratory Therapists	94	103	9	10%	18	5	\$26.72	Associate's degree
29-1127	Speech-Language Pathologists	106	129	23	22%	36	9	\$30.84	Master's degree

29-1128	Exercise Physiologists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
29-1129	Therapists, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
29-1131	Veterinarians	77	90	13	17%	18	5	\$38.77	Doctoral or professional degree
29-1141	Registered Nurses	1,742	1,937	195	11%	372	93	\$31.44	Bachelor's degree
29-1151	Nurse Anesthetists	85	91	6	7%	15	4	\$64.82	Master's degree
29-1161	Nurse Midwives	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
29-1171	Nurse Practitioners	127	148	21	17%	34	9	\$40.84	Master's degree
29-1181	Audiologists	15	19	4	27%	<10	Insf. Data	\$30.80	Doctoral or professional degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	<10	11	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
29-2011	Medical and Clinical Laboratory Technologists	228	266	38	17%	62	16	\$29.98	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	374	430	56	15%	96	24	\$17.72	Associate's degree
29-2021	Dental Hygienists	209	233	24	11%	40	10	\$33.59	Associate's degree
29-2031	Cardiovascular Technologists and Technicians	25	29	4	16%	<10	Insf. Data	\$27.42	Associate's degree
29-2032	Diagnostic Medical Sonographers	68	80	12	18%	18	5	\$32.78	Associate's degree
29-2033	Nuclear Medicine Technologists	21	22	1	5%	<10	Insf. Data	\$33.39	Associate's degree
29-2034	Radiologic Technologists	251	279	28	11%	48	12	\$25.28	Associate's degree
29-2035	Magnetic Resonance Imaging Technologists	76	85	9	12%	16	4	\$31.66	Associate's degree
29-2041	Emergency Medical Technicians and Paramedics	153	169	16	10%	27	7	\$14.19	Postsecondary nondegree award
29-2051	Dietetic Technicians	16	18	2	13%	<10	Insf. Data	\$13.80	Associate's degree
29-2052	Pharmacy Technicians	441	485	44	10%	63	16	\$15.24	High school diploma or equivalent
29-2053	Psychiatric Technicians	15	17	2	13%	<10	Insf. Data	\$12.81	Postsecondary nondegree award
29-2054	Respiratory Therapy Technicians	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Associate's degree
29-2055	Surgical Technologists	78	87	9	12%	12	3	\$21.62	Postsecondary nondegree award
29-2056	Veterinary Technologists and Technicians	59	75	16	27%	19	5	\$12.88	Associate's degree
29-2057	Ophthalmic Medical Technicians	25	29	4	16%	<10	Insf. Data	\$15.90	Postsecondary nondegree award
29-2061	Licensed Practical and Licensed Vocational Nurses	605	656	51	8%	125	31	\$20.21	Postsecondary nondegree award
29-2071	Medical Records and Health Information Technicians	265	296	31	12%	56	14	\$15.91	Postsecondary nondegree award
29-2081	Opticians, Dispensing	71	80	9	13%	17	4	\$14.54	High school diploma or equivalent
29-2091	Orthotists and Prosthetists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
29-2092	Hearing Aid Specialists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent

29-2099	Health Technologists and Technicians, All Other	29	38	9	31%	11	3	\$28.76	High school diploma or equivalent
29-9011	Occupational Health and Safety Specialists	46	50	4	9%	<10	Insf. Data	\$34.40	Bachelor's degree
29-9012	Occupational Health and Safety Technicians	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
29-9091	Athletic Trainers	30	36	6	20%	<10	Insf. Data	\$21.33	Bachelor's degree
29-9092	Genetic Counselors	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Master's degree
29-9099	Healthcare Practitioners and Technical Workers, All Other	101	111	10	10%	18	5	\$26.16	Postsecondary nondegree award
31-1011	Home Health Aides	439	532	93	21%	138	35	\$10.28	No formal educational credential
31-1013	Psychiatric Aides	16	17	1	6%	<10	Insf. Data	\$11.93	High school diploma or equivalent
31-1014	Nursing Assistants	948	1,050	102	11%	193	48	\$11.96	Postsecondary nondegree award
31-1015	Orderlies	31	34	3	10%	<10	Insf. Data	\$13.92	High school diploma or equivalent
31-2011	Occupational Therapy Assistants	40	52	12	30%	17	4	\$28.33	Associate's degree
31-2012	Occupational Therapy Aides	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
31-2021	Physical Therapist Assistants	112	140	28	25%	43	11	\$27.35	Associate's degree
31-2022	Physical Therapist Aides	56	73	17	30%	25	6	\$11.11	High school diploma or equivalent
31-9011	Massage Therapists	116	142	26	22%	31	8	\$19.58	Postsecondary nondegree award
31-9091	Dental Assistants	300	338	38	13%	70	18	\$16.69	Postsecondary nondegree award
31-9092	Medical Assistants	558	637	79	14%	130	33	\$13.98	Postsecondary nondegree award
31-9093	Medical Equipment Preparers	25	28	3	12%	<10	Insf. Data	\$16.87	High school diploma or equivalent
31-9094	Medical Transcriptionists	95	109	14	15%	23	6	\$15.61	Postsecondary nondegree award
31-9095	Pharmacy Aides	30	34	4	13%	<10	Insf. Data	\$11.41	High school diploma or equivalent
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	155	175	20	13%	34	9	\$12.13	High school diploma or equivalent
31-9097	Phlebotomists	197	239	42	21%	61	15	\$12.57	Postsecondary nondegree award
31-9099	Healthcare Support Workers, All Other	36	44	8	22%	12	3	\$18.84	High school diploma or equivalent
33-1011	First-Line Supervisors of Correctional Officers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
33-1012	First-Line Supervisors of Police and Detectives	44	50	6	14%	13	3	\$25.07	High school diploma or equivalent
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	39	44	5	13%	13	3	\$24.26	Postsecondary nondegree award
33-1099	First-Line Supervisors of Protective Service Workers, All Other	24	26	2	8%	<10	Insf. Data	\$22.42	High school diploma or equivalent
33-2011	Firefighters	120	138	18	15%	33	8	\$17.71	Postsecondary nondegree award
33-2021	Fire Inspectors and Investigators	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Postsecondary nondegree award
33-2022	Forest Fire Inspectors and Prevention Specialists	0	0	0	0%	0	0	\$0.00	High school diploma or equivalent

33-3011	Bailiffs	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
33-3012	Correctional Officers and Jailers	55	65	10	18%	17	4	\$13.21	High school diploma or equivalent
33-3021	Detectives and Criminal Investigators	20	22	2	10%	<10	Insf. Data	\$24.46	High school diploma or equivalent
33-3031	Fish and Game Wardens	<10	<10	Insf. Data	Insf. Data	0	0	\$0.00	Bachelor's degree
33-3041	Parking Enforcement Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
33-3051	Police and Sheriff's Patrol Officers	260	298	38	15%	75	19	\$19.13	High school diploma or equivalent
33-3052	Transit and Railroad Police	<10	<10	Insf. Data	Insf. Data	0	0	\$0.00	High school diploma or equivalent
33-9011	Animal Control Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
33-9021	Private Detectives and Investigators	13	15	2	15%	<10	Insf. Data	\$27.20	High school diploma or equivalent
33-9031	Gaming Surveillance Officers and Gaming Investigators	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
33-9032	Security Guards	246	269	23	9%	38	10	\$12.99	High school diploma or equivalent
33-9091	Crossing Guards	31	35	4	13%	<10	Insf. Data	\$9.53	No formal educational credential
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	121	135	14	12%	21	5	\$8.11	No formal educational credential
33-9093	Transportation Security Screeners	12	12	0	0%	<10	Insf. Data	Insf. Data	High school diploma or equivalent
33-9099	Protective Service Workers, All Other	24	28	4	17%	<10	Insf. Data	\$18.48	High school diploma or equivalent
35-1011	Chefs and Head Cooks	109	122	13	12%	20	5	\$24.86	High school diploma or equivalent
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	731	822	91	12%	185	46	\$14.92	High school diploma or equivalent
35-2011	Cooks, Fast Food	704	709	5	1%	82	21	\$8.70	No formal educational credential
35-2012	Cooks, Institution and Cafeteria	271	305	34	13%	66	17	\$12.52	No formal educational credential
35-2013	Cooks, Private Household	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Postsecondary nondegree award
35-2014	Cooks, Restaurant	1,045	1,191	146	14%	267	67	\$10.49	No formal educational credential
35-2015	Cooks, Short Order	189	199	10	5%	30	8	\$10.27	No formal educational credential
35-2019	Cooks, All Other	17	19	2	12%	<10	Insf. Data	\$9.81	No formal educational credential
35-2021	Food Preparation Workers	1,114	1,229	115	10%	247	62	\$9.22	No formal educational credential
35-3011	Bartenders	264	301	37	14%	80	20	\$8.48	No formal educational credential
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	2,334	2,622	288	12%	615	154	\$9.11	No formal educational credential
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	351	393	42	12%	133	33	\$9.05	No formal educational credential
35-3031	Waiters and Waitresses	2,383	2,611	228	10%	717	179	\$8.67	No formal educational credential
35-3041	Food Servers, Nonrestaurant	190	213	23	12%	43	11	\$9.92	No formal educational credential
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	255	286	31	12%	86	22	\$8.81	No formal educational credential
35-9021	Dishwashers	402	431	29	7%	102	26	\$8.94	No formal educational credential
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	340	375	35	10%	139	35	\$8.81	No formal educational credential

35-9099	Food Preparation and Serving Related Workers, All Other	41	46	5	12%	13	3	\$10.80	No formal educational credential
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	96	104	8	8%	14	4	\$16.57	High school diploma or equivalent
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	84	95	11	13%	18	5	\$17.80	High school diploma or equivalent
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,112	1,206	94	8%	187	47	\$9.90	No formal educational credential
37-2012	Maids and Housekeeping Cleaners	966	1,022	56	6%	152	38	\$9.74	No formal educational credential
37-2019	Building Cleaning Workers, All Other	13	14	1	8%	<10	Insf. Data	\$18.45	No formal educational credential
37-2021	Pest Control Workers	71	74	3	4%	10	3	\$13.66	High school diploma or equivalent
37-3011	Landscaping and Groundskeeping Workers	784	890	106	14%	168	42	\$11.84	No formal educational credential
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
37-3013	Tree Trimmers and Pruners	36	41	5	14%	<10	Insf. Data	\$15.81	High school diploma or equivalent
37-3019	Grounds Maintenance Workers, All Other	47	51	4	9%	<10	Insf. Data	\$12.46	No formal educational credential
39-1011	Gaming Supervisors	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
39-1012	Slot Supervisors	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
39-1021	First-Line Supervisors of Personal Service Workers	162	184	22	14%	35	9	\$16.85	High school diploma or equivalent
39-2011	Animal Trainers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
39-2021	Nonfarm Animal Caretakers	142	163	21	15%	33	8	\$9.83	High school diploma or equivalent
39-3011	Gaming Dealers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
39-3012	Gaming and Sports Book Writers and Runners	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
39-3019	Gaming Service Workers, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
39-3021	Motion Picture Projectionists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
39-3031	Ushers, Lobby Attendants, and Ticket Takers	76	90	14	18%	35	9	\$9.59	No formal educational credential
39-3091	Amusement and Recreation Attendants	204	230	26	13%	63	16	\$9.09	No formal educational credential
39-3092	Costume Attendants	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
39-3099	Entertainment Attendants and Related Workers, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
39-4011	Embalmers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Postsecondary nondegree award
39-4021	Funeral Attendants	17	16	(1)	(6%)	<10	Insf. Data	\$9.44	High school diploma or equivalent

39-4031	Morticians, Undertakers, and Funeral Directors	10	10	0	0%	<10	Insf. Data	\$26.41	Associate's degree
39-5011	Barbers	12	14	2	17%	<10	Insf. Data	\$11.26	Postsecondary nondegree award
39-5012	Hairdressers, Hairstylists, and Cosmetologists	505	571	66	13%	123	31	\$14.11	Postsecondary nondegree award
39-5091	Makeup Artists, Theatrical and Performance	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Postsecondary nondegree award
39-5092	Manicurists and Pedicurists	36	45	9	25%	<10	Insf. Data	\$15.04	Postsecondary nondegree award
39-5093	Shampooers	<10	11	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
39-5094	Skincare Specialists	53	60	7	13%	<10	Insf. Data	\$16.17	Postsecondary nondegree award
39-6011	Baggage Porters and Bellhops	14	16	2	14%	<10	Insf. Data	\$9.79	High school diploma or equivalent
39-6012	Concierges	19	21	2	11%	<10	Insf. Data	\$12.32	High school diploma or equivalent
39-7011	Tour Guides and Escorts	32	35	3	9%	<10	Insf. Data	\$15.72	High school diploma or equivalent
39-7012	Travel Guides	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
39-9011	Childcare Workers	879	974	95	11%	206	52	\$10.54	High school diploma or equivalent
39-9021	Personal Care Aides	1,356	1,613	257	19%	306	77	\$9.86	No formal educational credential
39-9031	Fitness Trainers and Aerobics Instructors	316	354	38	12%	63	16	\$16.93	High school diploma or equivalent
39-9032	Recreation Workers	230	261	31	13%	49	12	\$8.85	High school diploma or equivalent
39-9041	Residential Advisors	102	109	7	7%	20	5	\$10.00	High school diploma or equivalent
39-9099	Personal Care and Service Workers, All Other	12	13	1	8%	<10	Insf. Data	\$11.79	High school diploma or equivalent
41-1011	First-Line Supervisors of Retail Sales Workers	1,213	1,322	109	9%	224	56	\$18.82	High school diploma or equivalent
41-1012	First-Line Supervisors of Non-Retail Sales Workers	313	340	27	9%	43	11	\$42.19	High school diploma or equivalent
41-2011	Cashiers	2,816	2,990	174	6%	674	169	\$9.45	No formal educational credential
41-2012	Gaming Change Persons and Booth Cashiers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
41-2021	Counter and Rental Clerks	366	392	26	7%	65	16	\$11.34	No formal educational credential
41-2022	Parts Salespersons	212	254	42	20%	63	16	\$15.20	No formal educational credential
41-2031	Retail Salespersons	4,739	5,313	574	12%	1,284	321	\$11.24	No formal educational credential
41-3011	Advertising Sales Agents	194	213	19	10%	44	11	\$17.97	High school diploma or equivalent
41-3021	Insurance Sales Agents	1,145	1,304	159	14%	291	73	\$22.16	High school diploma or equivalent
41-3031	Securities, Commodities, and Financial Services Sales Agents	344	356	12	3%	37	9	\$36.76	Bachelor's degree
41-3041	Travel Agents	29	30	1	3%	<10	Insf. Data	\$15.99	High school diploma or equivalent
41-3099	Sales Representatives, Services, All Other	1,067	1,181	114	11%	211	53	\$25.63	High school diploma or equivalent

41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	600	691	91	15%	145	36	\$36.89	Bachelor's degree
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	768	852	84	11%	153	38	\$27.23	High school diploma or equivalent
41-9011	Demonstrators and Product Promoters	108	122	14	13%	28	7	\$13.15	High school diploma or equivalent
41-9012	Models	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
41-9021	Real Estate Brokers	40	42	2	5%	<10	Insf. Data	\$24.34	High school diploma or equivalent
41-9022	Real Estate Sales Agents	185	194	9	5%	15	4	\$15.87	High school diploma or equivalent
41-9031	Sales Engineers	73	82	9	12%	18	5	\$46.10	Bachelor's degree
41-9041	Telemarketers	153	169	16	10%	28	7	\$12.82	No formal educational credential
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
41-9099	Sales and Related Workers, All Other	108	119	11	10%	18	5	\$12.71	High school diploma or equivalent
43-1011	First-Line Supervisors of Office and Administrative Support Workers	1,814	2,003	189	10%	307	77	\$25.92	High school diploma or equivalent
43-2011	Switchboard Operators, Including Answering Service	110	107	(3)	(3%)	<10	Insf. Data	\$13.58	High school diploma or equivalent
43-2021	Telephone Operators	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
43-2099	Communications Equipment Operators, All Other	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
43-3011	Bill and Account Collectors	1,248	1,302	54	4%	179	45	\$15.68	High school diploma or equivalent
43-3021	Billing and Posting Clerks	695	797	102	15%	166	42	\$16.19	High school diploma or equivalent
43-3031	Bookkeeping, Accounting, and Auditing Clerks	2,069	2,196	127	6%	212	53	\$17.57	Some college, no degree
43-3041	Gaming Cage Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
43-3051	Payroll and Timekeeping Clerks	186	205	19	10%	40	10	\$18.74	High school diploma or equivalent
43-3061	Procurement Clerks	63	68	5	8%	14	4	\$20.82	High school diploma or equivalent
43-3071	Tellers	463	473	10	2%	84	21	\$11.95	High school diploma or equivalent
43-3099	Financial Clerks, All Other	34	39	5	15%	<10	Insf. Data	\$18.57	High school diploma or equivalent
43-4011	Brokerage Clerks	58	57	(1)	(2%)	<10	Insf. Data	\$24.10	High school diploma or equivalent
43-4021	Correspondence Clerks	18	17	(1)	(6%)	<10	Insf. Data	\$19.45	High school diploma or equivalent
43-4031	Court, Municipal, and License Clerks	46	53	7	15%	<10	Insf. Data	\$15.62	High school diploma or equivalent
43-4041	Credit Authorizers, Checkers, and Clerks	160	156	(4)	(3%)	<10	Insf. Data	\$15.15	High school diploma or equivalent
43-4051	Customer Service Representatives	3,420	3,770	350	10%	711	178	\$16.54	High school diploma or equivalent
43-4061	Eligibility Interviewers, Government Programs	27	30	3	11%	<10	Insf. Data	\$15.17	High school diploma or equivalent
43-4071	File Clerks	116	127	11	9%	21	5	\$13.05	High school diploma or equivalent

43-4081	Hotel, Motel, and Resort Desk Clerks	160	176	16	10%	51	13	\$8.77	High school diploma or equivalent
43-4111	Interviewers, Except Eligibility and Loan	372	411	39	10%	75	19	\$15.00	High school diploma or equivalent
43-4121	Library Assistants, Clerical	37	42	5	14%	<10	Insf. Data	\$11.75	High school diploma or equivalent
43-4131	Loan Interviewers and Clerks	367	416	49	13%	73	18	\$18.87	High school diploma or equivalent
43-4141	New Accounts Clerks	37	38	1	3%	<10	Insf. Data	\$17.43	High school diploma or equivalent
43-4151	Order Clerks	165	176	11	7%	30	8	\$17.01	High school diploma or equivalent
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	117	127	10	9%	15	4	\$20.07	Associate's degree
43-4171	Receptionists and Information Clerks	1,119	1,255	136	12%	266	67	\$14.24	High school diploma or equivalent
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	17	19	2	12%	<10	Insf. Data	\$15.52	High school diploma or equivalent
43-4199	Information and Record Clerks, All Other	89	96	7	8%	16	4	\$19.07	High school diploma or equivalent
43-5011	Cargo and Freight Agents	41	56	15	37%	22	6	\$23.96	High school diploma or equivalent
43-5021	Couriers and Messengers	122	141	19	16%	26	7	\$13.58	High school diploma or equivalent
43-5031	Police, Fire, and Ambulance Dispatchers	55	61	6	11%	11	3	\$14.13	High school diploma or equivalent
43-5032	Dispatchers, Except Police, Fire, and Ambulance	121	135	14	12%	27	7	\$19.71	High school diploma or equivalent
43-5041	Meter Readers, Utilities	28	28	0	0%	<10	Insf. Data	\$19.57	High school diploma or equivalent
43-5051	Postal Service Clerks	30	32	2	7%	<10	Insf. Data	\$25.41	High school diploma or equivalent
43-5052	Postal Service Mail Carriers	152	161	9	6%	21	5	\$25.74	High school diploma or equivalent
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	64	66	2	3%	<10	Insf. Data	\$24.55	High school diploma or equivalent
43-5061	Production, Planning, and Expediting Clerks	307	333	26	8%	61	15	\$25.17	High school diploma or equivalent
43-5071	Shipping, Receiving, and Traffic Clerks	495	535	40	8%	85	21	\$15.73	High school diploma or equivalent
43-5081	Stock Clerks and Order Fillers	2,304	2,469	165	7%	472	118	\$11.98	No formal educational credential
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	40	42	2	5%	<10	Insf. Data	\$16.77	High school diploma or equivalent
43-6011	Executive Secretaries and Executive Administrative Assistants	724	774	50	7%	83	21	\$23.22	High school diploma or equivalent
43-6012	Legal Secretaries	98	116	18	18%	23	6	\$21.98	High school diploma or equivalent
43-6013	Medical Secretaries	201	251	50	25%	60	15	\$14.81	High school diploma or equivalent
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	2,515	2,748	233	9%	345	86	\$16.00	High school diploma or equivalent
43-9011	Computer Operators	127	127	0	0%	<10	Insf. Data	\$22.39	High school diploma or equivalent
43-9021	Data Entry Keyers	344	369	25	7%	43	11	\$15.26	High school diploma or equivalent

43-9022	Word Processors and Typists	13	15	2	15%	<10	Insf. Data	Insf. Data	High school diploma or equivalent
43-9031	Desktop Publishers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Associate's degree
43-9041	Insurance Claims and Policy Processing Clerks	845	905	60	7%	149	37	\$19.71	High school diploma or equivalent
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	138	146	8	6%	20	5	\$14.83	High school diploma or equivalent
43-9061	Office Clerks, General	2,559	2,830	271	11%	507	127	\$15.64	High school diploma or equivalent
43-9071	Office Machine Operators, Except Computer	88	94	6	7%	14	4	\$14.79	High school diploma or equivalent
43-9081	Proofreaders and Copy Markers	14	16	2	14%	<10	Insf. Data	\$18.32	Bachelor's degree
43-9111	Statistical Assistants	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
43-9199	Office and Administrative Support Workers, All Other	89	104	15	17%	25	6	\$19.43	High school diploma or equivalent
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
45-2011	Agricultural Inspectors	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
45-2021	Animal Breeders	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
45-2041	Graders and Sorters, Agricultural Products	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
45-2091	Agricultural Equipment Operators	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	76	69	(7)	(9%)	<10	Insf. Data	\$11.59	No formal educational credential
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	36	34	(2)	(6%)	<10	Insf. Data	\$11.88	No formal educational credential
45-2099	Agricultural Workers, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
45-3011	Fishers and Related Fishing Workers	0	0	0	0%	0	0	\$0.00	No formal educational credential
45-3021	Hunters and Trappers	0	0	0	0%	0	0	\$0.00	No formal educational credential
45-4011	Forest and Conservation Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
45-4021	Fallers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
45-4022	Logging Equipment Operators	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
45-4023	Log Graders and Scalers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
45-4029	Logging Workers, All Other	0	0	0	0%	0	0	\$0.00	High school diploma or equivalent
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	411	414	3	1%	16	4	\$27.05	High school diploma or equivalent
47-2011	Boilermakers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
47-2021	Brickmasons and Blockmasons	36	32	(4)	(11%)	<10	Insf. Data	\$19.44	High school diploma or equivalent
47-2022	Stonemasons	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
47-2031	Carpenters	417	409	(8)	(2%)	19	5	\$17.20	High school diploma or equivalent
47-2041	Carpet Installers	12	15	3	25%	<10	Insf. Data	Insf. Data	No formal educational credential

47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
47-2043	Floor Sanders and Finishers	12	15	3	25%	<10	Insf. Data	Insf. Data	No formal educational credential
47-2044	Tile and Marble Setters	18	22	4	22%	<10	Insf. Data	\$17.08	No formal educational credential
47-2051	Cement Masons and Concrete Finishers	67	61	(6)	(9%)	<10	Insf. Data	\$18.49	No formal educational credential
47-2053	Terrazzo Workers and Finishers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
47-2061	Construction Laborers	791	768	(23)	(3%)	62	16	\$14.78	No formal educational credential
47-2071	Paving, Surfacing, and Tamping Equipment Operators	51	45	(6)	(12%)	<10	Insf. Data	\$15.72	High school diploma or equivalent
47-2072	Pile-Driver Operators	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
47-2073	Operating Engineers and Other Construction Equipment Operators	162	154	(8)	(5%)	10	3	\$17.71	High school diploma or equivalent
47-2081	Drywall and Ceiling Tile Installers	69	50	(19)	(28%)	<10	Insf. Data	\$14.97	No formal educational credential
47-2082	Tapers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
47-2111	Electricians	182	217	35	19%	47	12	\$22.60	High school diploma or equivalent
47-2121	Glaziers	18	18	0	0%	<10	Insf. Data	\$12.35	High school diploma or equivalent
47-2131	Insulation Workers, Floor, Ceiling, and Wall	18	14	(4)	(22%)	<10	Insf. Data	\$13.82	No formal educational credential
47-2132	Insulation Workers, Mechanical	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
47-2141	Painters, Construction and Maintenance	202	235	33	16%	47	12	\$16.22	No formal educational credential
47-2142	Paperhangers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
47-2151	Pipelayers	37	37	0	0%	<10	Insf. Data	\$14.74	No formal educational credential
47-2152	Plumbers, Pipefitters, and Steamfitters	356	417	61	17%	83	21	\$23.65	High school diploma or equivalent
47-2161	Plasterers and Stucco Masons	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
47-2171	Reinforcing Iron and Rebar Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
47-2181	Roofers	13	11	(2)	(15%)	<10	Insf. Data	\$16.27	No formal educational credential
47-2211	Sheet Metal Workers	145	161	16	11%	30	8	\$19.85	High school diploma or equivalent
47-2221	Structural Iron and Steel Workers	34	34	0	0%	<10	Insf. Data	\$18.87	High school diploma or equivalent
47-2231	Solar Photovoltaic Installers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20	18	(2)	(10%)	<10	Insf. Data	\$14.31	No formal educational credential
47-3012	Helpers--Carpenters	35	34	(1)	(3%)	<10	Insf. Data	\$13.71	No formal educational credential
47-3013	Helpers--Electricians	45	53	8	18%	11	3	\$14.69	High school diploma or equivalent
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	17	20	3	18%	<10	Insf. Data	\$14.07	No formal educational credential
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	85	98	13	15%	17	4	\$14.52	High school diploma or equivalent

47-3016	Helpers--Roofers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
47-3019	Helpers, Construction Trades, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
47-4011	Construction and Building Inspectors	69	77	8	12%	17	4	\$20.21	High school diploma or equivalent
47-4021	Elevator Installers and Repairers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
47-4031	Fence Erectors	15	14	(1)	(7%)	<10	Insf. Data	\$13.69	No formal educational credential
47-4041	Hazardous Materials Removal Workers	28	31	3	11%	<10	Insf. Data	\$15.03	High school diploma or equivalent
47-4051	Highway Maintenance Workers	18	21	3	17%	<10	Insf. Data	\$12.03	High school diploma or equivalent
47-4061	Rail-Track Laying and Maintenance Equipment Operators	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	19	22	3	16%	<10	Insf. Data	\$15.38	No formal educational credential
47-4091	Segmental Pavers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
47-4099	Construction and Related Workers, All Other	22	23	1	5%	<10	Insf. Data	\$21.27	High school diploma or equivalent
47-5011	Derrick Operators, Oil and Gas	0	0	0	0%	0	0	\$0.00	No formal educational credential
47-5012	Rotary Drill Operators, Oil and Gas	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
47-5013	Service Unit Operators, Oil, Gas, and Mining	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
47-5021	Earth Drillers, Except Oil and Gas	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
47-5041	Continuous Mining Machine Operators	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
47-5042	Mine Cutting and Channeling Machine Operators	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
47-5049	Mining Machine Operators, All Other	0	0	0	0%	0	0	\$0.00	High school diploma or equivalent
47-5051	Rock Splitters, Quarry	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
47-5061	Roof Bolters, Mining	0	0	0	0%	0	0	\$0.00	High school diploma or equivalent
47-5071	Roustabouts, Oil and Gas	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
47-5081	Helpers--Extraction Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
47-5099	Extraction Workers, All Other	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	351	392	41	12%	71	18	\$28.94	High school diploma or equivalent
49-2011	Computer, Automated Teller, and Office Machine Repairers	120	141	21	18%	31	8	\$18.93	Some college, no degree
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	13	11	(2)	(15%)	<10	Insf. Data	\$14.68	Associate's degree
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	241	244	3	1%	12	3	\$19.84	Postsecondary nondegree award
49-2091	Avionics Technicians	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Associate's degree

49-2092	Electric Motor, Power Tool, and Related Repairers	12	13	1	8%	<10	Insf. Data	\$22.22	Postsecondary nondegree award
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Postsecondary nondegree award
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	28	29	1	4%	<10	Insf. Data	\$25.42	Postsecondary nondegree award
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	13	13	0	0%	<10	Insf. Data	\$32.71	Postsecondary nondegree award
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Postsecondary nondegree award
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	15	16	1	7%	<10	Insf. Data	\$18.64	Postsecondary nondegree award
49-2098	Security and Fire Alarm Systems Installers	70	76	6	9%	14	4	\$22.56	High school diploma or equivalent
49-3011	Aircraft Mechanics and Service Technicians	13	14	1	8%	<10	Insf. Data	Insf. Data	Postsecondary nondegree award
49-3021	Automotive Body and Related Repairers	221	247	26	12%	48	12	\$19.54	High school diploma or equivalent
49-3022	Automotive Glass Installers and Repairers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
49-3023	Automotive Service Technicians and Mechanics	590	700	110	19%	181	45	\$18.62	Postsecondary nondegree award
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	120	130	10	8%	19	5	\$23.62	High school diploma or equivalent
49-3041	Farm Equipment Mechanics and Service Technicians	26	26	0	0%	<10	Insf. Data	\$18.55	High school diploma or equivalent
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	78	79	1	1%	<10	Insf. Data	\$20.41	High school diploma or equivalent
49-3043	Rail Car Repairers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
49-3051	Motorboat Mechanics and Service Technicians	10	11	1	10%	<10	Insf. Data	Insf. Data	High school diploma or equivalent
49-3052	Motorcycle Mechanics	13	14	1	8%	<10	Insf. Data	\$16.92	Postsecondary nondegree award
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	40	46	6	15%	<10	Insf. Data	\$13.71	High school diploma or equivalent
49-3091	Bicycle Repairers	13	16	3	23%	<10	Insf. Data	Insf. Data	High school diploma or equivalent
49-3092	Recreational Vehicle Service Technicians	11	11	0	0%	<10	Insf. Data	\$17.32	High school diploma or equivalent
49-3093	Tire Repairers and Changers	60	73	13	22%	23	6	\$12.83	High school diploma or equivalent
49-9011	Mechanical Door Repairers	14	16	2	14%	<10	Insf. Data	\$15.22	High school diploma or equivalent
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	23	23	0	0%	<10	Insf. Data	\$29.12	High school diploma or equivalent

49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	423	496	73	17%	102	26	\$21.03	Postsecondary nondegree award
49-9031	Home Appliance Repairers	42	48	6	14%	11	3	\$17.06	High school diploma or equivalent
49-9041	Industrial Machinery Mechanics	85	94	9	11%	19	5	\$29.66	High school diploma or equivalent
49-9043	Maintenance Workers, Machinery	30	32	2	7%	<10	Insf. Data	\$20.51	High school diploma or equivalent
49-9044	Millwrights	11	12	1	9%	<10	Insf. Data	Insf. Data	High school diploma or equivalent
49-9045	Refractory Materials Repairers, Except Brickmasons	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
49-9051	Electrical Power-Line Installers and Repairers	68	67	(1)	(1%)	11	3	\$34.62	High school diploma or equivalent
49-9052	Telecommunications Line Installers and Repairers	35	35	0	0%	<10	Insf. Data	\$20.57	High school diploma or equivalent
49-9061	Camera and Photographic Equipment Repairers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Associate's degree
49-9062	Medical Equipment Repairers	54	62	8	15%	12	3	\$21.70	Associate's degree
49-9063	Musical Instrument Repairers and Tuners	10	12	2	20%	<10	Insf. Data	Insf. Data	High school diploma or equivalent
49-9064	Watch Repairers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
49-9069	Precision Instrument and Equipment Repairers, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
49-9071	Maintenance and Repair Workers, General	918	1,004	86	9%	188	47	\$19.68	High school diploma or equivalent
49-9081	Wind Turbine Service Technicians	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Some college, no degree
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18	20	2	11%	<10	Insf. Data	\$15.04	High school diploma or equivalent
49-9092	Commercial Divers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Postsecondary nondegree award
49-9093	Fabric Menders, Except Garment	0	0	0	0%	0	0	\$0.00	No formal educational credential
49-9094	Locksmiths and Safe Repairers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
49-9095	Manufactured Building and Mobile Home Installers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
49-9096	Riggers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
49-9097	Signal and Track Switch Repairers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
49-9098	Helpers--Installation, Maintenance, and Repair Workers	106	120	14	13%	29	7	\$12.18	High school diploma or equivalent
49-9099	Installation, Maintenance, and Repair Workers, All Other	125	134	9	7%	17	4	\$16.34	High school diploma or equivalent
51-1011	First-Line Supervisors of Production and Operating Workers	226	232	6	3%	20	5	\$27.47	High school diploma or equivalent
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent

51-2021	Coil Winders, Tapers, and Finishers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-2022	Electrical and Electronic Equipment Assemblers	241	243	2	1%	14	4	\$12.95	High school diploma or equivalent
51-2023	Electromechanical Equipment Assemblers	18	17	(1)	(6%)	<10	Insf. Data	\$12.37	High school diploma or equivalent
51-2031	Engine and Other Machine Assemblers	15	16	1	7%	<10	Insf. Data	\$15.12	High school diploma or equivalent
51-2041	Structural Metal Fabricators and Fitters	37	38	1	3%	<10	Insf. Data	\$14.62	High school diploma or equivalent
51-2091	Fiberglass Laminators and Fabricators	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-2092	Team Assemblers	719	752	33	5%	96	24	\$17.64	High school diploma or equivalent
51-2093	Timing Device Assemblers and Adjusters	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-2099	Assemblers and Fabricators, All Other	78	87	9	12%	17	4	\$14.60	High school diploma or equivalent
51-3011	Bakers	47	53	6	13%	11	3	\$11.50	No formal educational credential
51-3021	Butchers and Meat Cutters	132	147	15	11%	26	7	\$15.01	No formal educational credential
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	<10	11	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
51-3023	Slaughterers and Meat Packers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
51-3092	Food Batchmakers	43	47	4	9%	<10	Insf. Data	\$18.58	High school diploma or equivalent
51-3093	Food Cooking Machine Operators and Tenders	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-3099	Food Processing Workers, All Other	<10	10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	26	29	3	12%	<10	Insf. Data	\$20.93	High school diploma or equivalent
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	16	12	(4)	(25%)	<10	Insf. Data	\$11.98	High school diploma or equivalent
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	75	72	(3)	(4%)	<10	Insf. Data	\$16.79	High school diploma or equivalent

51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-4041	Machinists	56	63	7	13%	14	4	\$22.86	High school diploma or equivalent
51-4051	Metal-Refining Furnace Operators and Tenders	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-4052	Pourers and Casters, Metal	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-4061	Model Makers, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-4062	Patternmakers, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-4071	Foundry Mold and Coremakers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	15	14	(1)	(7%)	<10	Insf. Data	\$14.68	High school diploma or equivalent
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21	21	0	0%	<10	Insf. Data	\$16.40	High school diploma or equivalent
51-4111	Tool and Die Makers	23	21	(2)	(9%)	<10	Insf. Data	\$24.09	High school diploma or equivalent
51-4121	Welders, Cutters, Solderers, and Brazers	83	88	5	6%	15	4	\$19.64	High school diploma or equivalent
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	14	14	0	0%	<10	Insf. Data	\$17.42	High school diploma or equivalent
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-4192	Layout Workers, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-4194	Tool Grinders, Filers, and Sharpeners	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent

51-4199	Metal Workers and Plastic Workers, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-5111	Prepress Technicians and Workers	34	31	(3)	(9%)	<10	Insf. Data	\$20.23	Postsecondary nondegree award
51-5112	Printing Press Operators	160	152	(8)	(5%)	<10	Insf. Data	\$17.10	High school diploma or equivalent
51-5113	Print Binding and Finishing Workers	28	26	(2)	(7%)	<10	Insf. Data	\$16.97	High school diploma or equivalent
51-6011	Laundry and Dry-Cleaning Workers	86	90	4	5%	<10	Insf. Data	\$8.45	No formal educational credential
51-6021	Pressers, Textile, Garment, and Related Materials	13	12	(1)	(8%)	<10	Insf. Data	\$11.98	No formal educational credential
51-6031	Sewing Machine Operators	26	24	(2)	(8%)	<10	Insf. Data	\$9.45	No formal educational credential
51-6041	Shoe and Leather Workers and Repairers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-6042	Shoe Machine Operators and Tenders	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-6051	Sewers, Hand	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
51-6052	Tailors, Dressmakers, and Custom Sewers	23	23	0	0%	<10	Insf. Data	\$13.72	No formal educational credential
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	0	0	0	0%	0	0	\$0.00	High school diploma or equivalent
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-6092	Fabric and Apparel Patternmakers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-6093	Upholsterers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-6099	Textile, Apparel, and Furnishings Workers, All Other	13	13	0	0%	<10	Insf. Data	\$15.26	High school diploma or equivalent
51-7011	Cabinetmakers and Bench Carpenters	17	19	2	12%	<10	Insf. Data	\$14.65	High school diploma or equivalent
51-7021	Furniture Finishers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-7031	Model Makers, Wood	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-7032	Patternmakers, Wood	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	17	16	(1)	(6%)	<10	Insf. Data	\$10.18	High school diploma or equivalent
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	11	11	0	0%	<10	Insf. Data	\$12.66	High school diploma or equivalent

51-7099	Woodworkers, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-8011	Nuclear Power Reactor Operators	12	11	(1)	(8%)	<10	Insf. Data	\$41.64	High school diploma or equivalent
51-8012	Power Distributors and Dispatchers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-8013	Power Plant Operators	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-8021	Stationary Engineers and Boiler Operators	<10	11	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-8031	Water and Wastewater Treatment Plant and System Operators	61	69	8	13%	14	4	\$18.06	High school diploma or equivalent
51-8091	Chemical Plant and System Operators	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-8092	Gas Plant Operators	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	\$30.48	High school diploma or equivalent
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-8099	Plant and System Operators, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-9011	Chemical Equipment Operators and Tenders	25	19	(6)	(24%)	<10	Insf. Data	\$17.59	High school diploma or equivalent
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-9022	Grinding and Polishing Workers, Hand	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	37	34	(3)	(8%)	<10	Insf. Data	\$15.11	High school diploma or equivalent
51-9031	Cutters and Trimmers, Hand	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	16	14	(2)	(13%)	<10	Insf. Data	\$16.34	High school diploma or equivalent
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	11	10	(1)	(9%)	<10	Insf. Data	\$16.08	High school diploma or equivalent
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	250	268	18	7%	44	11	\$16.74	High school diploma or equivalent
51-9071	Jewelers and Precious Stone and Metal Workers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-9081	Dental Laboratory Technicians	14	14	0	0%	<10	Insf. Data	\$15.32	High school diploma or equivalent
51-9082	Medical Appliance Technicians	33	34	1	3%	<10	Insf. Data	\$14.67	High school diploma or equivalent
51-9083	Ophthalmic Laboratory Technicians	22	24	2	9%	<10	Insf. Data	\$13.81	High school diploma or equivalent

51-9111	Packaging and Filling Machine Operators and Tenders	174	191	17	10%	43	11	\$14.80	High school diploma or equivalent
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24	24	0	0%	<10	Insf. Data	\$14.70	High school diploma or equivalent
51-9122	Painters, Transportation Equipment	14	16	2	14%	<10	Insf. Data	\$17.04	High school diploma or equivalent
51-9123	Painting, Coating, and Decorating Workers	<10	11	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
51-9141	Semiconductor Processors	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Associate's degree
51-9151	Photographic Process Workers and Processing Machine Operators	24	22	(2)	(8%)	<10	Insf. Data	\$12.59	High school diploma or equivalent
51-9191	Adhesive Bonding Machine Operators and Tenders	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
51-9193	Cooling and Freezing Equipment Operators and Tenders	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-9194	Etchers and Engravers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24	19	(5)	(21%)	<10	Insf. Data	\$17.36	High school diploma or equivalent
51-9197	Tire Builders	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
51-9198	Helpers--Production Workers	203	215	12	6%	40	10	\$14.38	No formal educational credential
51-9199	Production Workers, All Other	160	175	15	9%	29	7	\$12.33	High school diploma or equivalent
53-1011	Aircraft Cargo Handling Supervisors	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	169	182	13	8%	36	9	\$23.54	High school diploma or equivalent
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	102	110	8	8%	22	6	\$29.68	High school diploma or equivalent
53-2011	Airline Pilots, Copilots, and Flight Engineers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Bachelor's degree
53-2012	Commercial Pilots	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
53-2021	Air Traffic Controllers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Associate's degree
53-2022	Airfield Operations Specialists	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
53-2031	Flight Attendants	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent

53-3021	Bus Drivers, Transit and Intercity	54	60	6	11%	<10	Insf. Data	\$14.73	High school diploma or equivalent
53-3022	Bus Drivers, School or Special Client	211	233	22	10%	34	9	\$15.50	High school diploma or equivalent
53-3031	Driver/Sales Workers	195	220	25	13%	39	10	\$18.84	High school diploma or equivalent
53-3032	Heavy and Tractor-Trailer Truck Drivers	702	713	11	2%	59	15	\$20.61	Postsecondary nondegree award
53-3033	Light Truck or Delivery Services Drivers	465	516	51	11%	85	21	\$15.66	High school diploma or equivalent
53-3041	Taxi Drivers and Chauffeurs	78	90	12	15%	18	5	\$12.63	No formal educational credential
53-3099	Motor Vehicle Operators, All Other	115	128	13	11%	28	7	\$12.72	No formal educational credential
53-4011	Locomotive Engineers	0	0	0	0%	0	0	\$0.00	High school diploma or equivalent
53-4012	Locomotive Firers	0	0	0	0%	0	0	\$0.00	High school diploma or equivalent
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	0	0	0	0%	0	0	\$0.00	High school diploma or equivalent
53-4021	Railroad Brake, Signal, and Switch Operators	0	0	0	0%	0	0	\$0.00	High school diploma or equivalent
53-4031	Railroad Conductors and Yardmasters	0	0	0	0%	0	0	\$0.00	High school diploma or equivalent
53-4041	Subway and Streetcar Operators	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
53-4099	Rail Transportation Workers, All Other	0	0	0	0%	0	0	\$0.00	High school diploma or equivalent
53-5011	Sailors and Marine Oilers	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
53-5021	Captains, Mates, and Pilots of Water Vessels	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	Postsecondary nondegree award
53-5022	Motorboat Operators	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Postsecondary nondegree award
53-5031	Ship Engineers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	Postsecondary nondegree award
53-6011	Bridge and Lock Tenders	0	<10	Insf. Data	Insf. Data	0	0	\$0.00	High school diploma or equivalent
53-6021	Parking Lot Attendants	134	151	17	13%	49	12	\$10.37	No formal educational credential
53-6031	Automotive and Watercraft Service Attendants	122	135	13	11%	34	9	\$9.95	No formal educational credential
53-6041	Traffic Technicians	17	19	2	12%	<10	Insf. Data	\$24.64	High school diploma or equivalent
53-6051	Transportation Inspectors	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
53-6061	Transportation Attendants, Except Flight Attendants	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
53-6099	Transportation Workers, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	High school diploma or equivalent
53-7011	Conveyor Operators and Tenders	27	27	0	0%	<10	Insf. Data	\$15.29	No formal educational credential
53-7021	Crane and Tower Operators	17	16	(1)	(6%)	<10	Insf. Data	\$21.50	High school diploma or equivalent
53-7031	Dredge Operators	<10	0	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
53-7032	Excavating and Loading Machine and Dragline Operators	41	38	(3)	(7%)	<10	Insf. Data	\$16.66	High school diploma or equivalent
53-7033	Loading Machine Operators, Underground Mining	0	0	0	0%	0	0	\$0.00	No formal educational credential
53-7041	Hoist and Winch Operators	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
53-7051	Industrial Truck and Tractor Operators	278	298	20	7%	49	12	\$15.76	No formal educational credential
53-7061	Cleaners of Vehicles and Equipment	303	351	48	16%	95	24	\$10.28	No formal educational credential

53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,240	2,433	193	9%	475	119	\$12.59	No formal educational credential
53-7063	Machine Feeders and Offbearers	21	20	(1)	(5%)	<10	Insf. Data	\$12.72	No formal educational credential
53-7064	Packers and Packagers, Hand	551	598	47	9%	109	27	\$10.92	No formal educational credential
53-7071	Gas Compressor and Gas Pumping Station Operators	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
53-7072	Pump Operators, Except Wellhead Pumpers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
53-7073	Wellhead Pumpers	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	High school diploma or equivalent
53-7081	Refuse and Recyclable Material Collectors	90	102	12	13%	22	6	\$11.26	No formal educational credential
53-7111	Mine Shuttle Car Operators	0	0	0	0%	0	0	\$0.00	No formal educational credential
53-7121	Tank Car, Truck, and Ship Loaders	<10	<10	Insf. Data	Insf. Data	0	0	Insf. Data	No formal educational credential
53-7199	Material Moving Workers, All Other	<10	<10	Insf. Data	Insf. Data	<10	Insf. Data	Insf. Data	No formal educational credential
55-9999	Military occupations	0	0	0	0%	0	0	\$0.00	N/A
99-9999	Unclassified Occupation	0	0	0	0%	0	0	\$0.00	N/A
		119,947	132,573	12,626	11%	25,037	6,259	\$21.49	

Appendix A - Data Sources and Calculations

Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

State Data Sources

This report uses state data from the following agencies: Tennessee Department of Labor and Workforce Development, Research and Statistics Division