

WDA 2&3 Milwaukee/WOW Occupational Projections, 2006-2016

(Milwaukee, Washington, Ozaukee, and Waukesha counties)

Occupations that actually had employment=0 were deleted.

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Average Annual Openings			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages		
		2006	2016	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg. Ann. Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
00-0000	Total, All Occupations	827,220	907,690	80,470	9.7%	8,050	18,230	26,280		\$39,988	\$8.96	\$24.36
11-0000	Management Occupations	31,330	33,210	1,880	6.0%	190	710	900		\$94,468	\$24.26	\$55.99
11-1011	Chief Executives	1,330	1,320	-10	-0.8%	0	40	40	Bachelor's or higher degree, plus work experience	\$164,257	\$49.58	\$93.67
11-1021	General and Operations Managers	8,220	8,170	-50	-0.6%	0	200	200	Bachelor's or higher degree, plus work experience	\$109,223	\$26.04	\$65.74
11-1031	Legislators	1,250	1,180	-70	-5.6%	0	20	20	Bachelor's or higher degree, plus work experience	\$23,053	*	*
11-2011	Advertising and Promotions Managers	170	170	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$80,681	\$22.86	\$46.75
11-2021	Marketing Managers	630	710	80	12.7%	10	10	20	Bachelor's or higher degree, plus work experience	\$103,841	\$29.02	\$60.38
11-2022	Sales Managers	1,710	1,870	160	9.4%	20	40	60	Bachelor's or higher degree, plus work experience	\$104,653	\$27.63	\$61.66
11-2031	Public Relations Managers	200	230	30	15.0%	<5	10	10	Bachelor's or higher degree, plus work experience	\$79,357	\$21.77	\$46.34
11-3011	Administrative Services Managers	940	1,020	80	8.5%	10	30	40	Bachelor's or higher degree, plus work experience	\$78,168	\$24.70	\$44.02
11-3021	Computer and Information Systems Managers	1,620	1,840	220	13.6%	20	30	50	Bachelor's or higher degree, plus work experience	\$100,036	\$32.49	\$55.90
11-3031	Financial Managers	2,090	2,340	250	12.0%	30	30	60	Bachelor's or higher degree, plus work experience	\$107,112	\$31.97	\$61.26
11-3041	Compensation and Benefits Managers	260	290	30	11.5%	<5	10	10	Bachelor's or higher degree, plus work experience	\$74,955	\$24.79	\$41.66
11-3042	Training and Development Managers	180	210	30	16.7%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$72,085	\$20.23	\$41.87
11-3049	Human Resources Managers, All Other	330	360	30	9.1%	<5	10	10	Bachelor's or higher degree, plus work experience	\$95,788	\$29.44	\$54.36
11-3051	Industrial Production Managers	1,590	1,610	20	1.3%	<5	60	60	Bachelor's or higher degree, plus work experience	\$83,024	\$27.37	\$46.19
11-3061	Purchasing Managers	460	490	30	6.5%	<5	10	10	Bachelor's or higher degree, plus work experience	\$79,285	\$24.70	\$44.83
11-3071	Transportation, Storage, and Distribution Managers	470	510	40	8.5%	<5	10	10	Work experience in a related occupation	\$76,913	\$24.24	\$43.35
11-9011	Farm, Ranch, and Other Agricultural Managers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
11-9021	Construction Managers	610	700	90	14.8%	10	10	20	Bachelor's degree	\$92,010	\$30.68	\$51.01
11-9031	Education Administrators, Preschool and Child Care Center/Program	350	400	50	14.3%	10	10	20	Bachelor's or higher degree, plus work experience	\$68,356	\$14.65	\$41.97
11-9032	Education Administrators, Elementary and Secondary School	1,030	1,050	20	1.9%	<5	30	30	Bachelor's or higher degree, plus work experience	\$87,249	*	*
11-9033	Education Administrators, Postsecondary	840	900	60	7.1%	10	20	30	Bachelor's or higher degree, plus work experience	\$68,968	\$20.66	\$39.41
11-9039	Education Administrators, All Other	130	140	10	7.7%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$74,567	\$23.48	\$42.03
11-9041	Engineering Managers	1,160	1,200	40	3.4%	<5	20	20	Bachelor's or higher degree, plus work experience	\$96,817	\$34.37	\$52.64
11-9051	Food Service Managers	1,090	1,160	70	6.4%	10	30	40	Work experience in a related occupation	\$50,611	\$16.58	\$28.21
11-9061	Funeral Directors	230	250	20	8.7%	<5	10	10	Associate degree	\$55,605	\$17.19	\$31.51
11-9071	Gaming Managers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
11-9081	Lodging Managers	100	120	20	20.0%	<5	<5	<5	Work experience in a related occupation	\$58,472	\$16.89	\$33.72
11-9111	Medical and Health Services Managers	1,210	1,440	230	19.0%	20	20	40	Bachelor's or higher degree, plus work experience	\$83,637	\$27.10	\$46.77
11-9121	Natural Sciences Managers	130	150	20	15.4%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$106,759	\$33.24	\$60.37
11-9131	Postmasters and Mail Superintendents	*	*	*	*	<5	10	10	Work experience in a related occupation	*	*	*
11-9141	Property, Real Estate, and Community Association Managers	270	320	50	18.5%	10	<5	10	Bachelor's degree	\$73,210	\$19.38	\$43.11
11-9151	Social and Community Service Managers	660	790	130	19.7%	10	10	20	Bachelor's degree	\$53,161	\$18.04	\$29.32

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		2006	2016	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg. Ann. Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
11-9199	Managers, All Other	1,820	1,990	170	9.3%	20	40	60	Work experience in a related occupation	\$91,753	\$27.52	\$52.41
13-0000	Business and Financial Operations Occupations	37,680	43,890	6,210	16.5%	620	640	1,260		\$57,851	\$16.28	\$33.58
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
13-1021	Purchasing Agents and Buyers, Farm Products	130	130	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$41,619	\$16.60	\$21.71
13-1022	Wholesale and Retail Buyers, Except Farm Products	710	690	-20	-2.8%	0	20	20	Bachelor's degree	\$47,095	\$14.65	\$26.64
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	2,500	2,570	70	2.8%	10	50	60	Bachelor's degree	\$50,329	\$16.92	\$27.83
13-1031	Claims Adjusters, Examiners, and Investigators	1,670	1,830	160	9.6%	20	40	60	Long-term on-the-job training	\$52,464	\$16.80	\$29.44
13-1032	Insurance Appraisers, Auto Damage	90	100	10	11.1%	<5	<5	<5	Postsecondary vocational training	\$41,570	\$15.97	\$21.99
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	1,000	1,090	90	9.0%	10	10	20	Long-term on-the-job training	\$49,053	\$15.14	\$27.80
13-1051	Cost Estimators	1,430	1,650	220	15.4%	20	30	50	Bachelor's degree	\$56,168	\$18.39	\$31.31
13-1061	Emergency Management Specialists	70	70	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$54,701	\$19.04	\$29.93
13-1071	Employment, Recruitment, and Placement Specialists	1,300	1,570	270	20.8%	30	30	60	Bachelor's degree	\$70,225	\$20.89	\$40.20
13-1072	Compensation, Benefits, and Job Analysis Specialists	670	780	110	16.4%	10	10	20	Bachelor's degree	\$51,843	\$17.85	\$28.46
13-1073	Training and Development Specialists	1,100	1,270	170	15.5%	20	20	40	Bachelor's or higher degree, plus work experience	\$47,778	\$14.98	\$26.96
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	2,380	2,630	250	10.5%	30	50	80	Bachelor's degree	\$42,206	\$8.39	\$26.24
13-1081	Logisticians	520	620	100	19.2%	10	10	20	Bachelor's degree	\$61,880	\$22.75	\$33.25
13-1111	Management Analysts	2,010	2,360	350	17.4%	40	30	70	Bachelor's or higher degree, plus work experience	\$56,614	\$15.44	\$33.11
13-1121	Meeting and Convention Planners	200	230	30	15.0%	<5	<5	<5	Bachelor's degree	\$37,561	\$14.07	\$20.05
13-1199	Business Operations Specialists, All Other	6,600	8,120	1,520	23.0%	150	70	220	Bachelor's degree	\$58,498	\$15.81	\$34.28
13-2011	Accountants and Auditors	7,240	8,610	1,370	18.9%	140	130	270	Bachelor's degree	\$61,991	\$19.89	\$34.76
13-2021	Appraisers and Assessors of Real Estate	400	470	70	17.5%	10	10	20	Bachelor's degree	\$46,236	\$9.31	\$28.69
13-2031	Budget Analysts	170	180	10	5.9%	<5	<5	<5	Bachelor's degree	\$63,764	\$22.85	\$34.56
13-2041	Credit Analysts	330	320	-10	-3.0%	0	10	10	Bachelor's degree	\$56,759	\$17.13	\$32.37
13-2051	Financial Analysts	800	1,070	270	33.8%	30	10	40	Bachelor's degree	\$65,964	\$19.13	\$38.01
13-2052	Personal Financial Advisors	1,080	1,670	590	54.6%	60	10	70	Bachelor's degree	\$79,627	\$19.40	\$47.72
13-2053	Insurance Underwriters	740	810	70	9.5%	10	20	30	Bachelor's degree	\$52,476	\$17.03	\$29.33
13-2061	Financial Examiners	140	160	20	14.3%	<5	<5	<5	Bachelor's degree	\$64,798	\$19.66	\$36.90
13-2071	Loan Counselors	60	60	0	0.0%	<5	<5	<5	Bachelor's degree	\$41,828	\$16.28	\$22.02
13-2072	Loan Officers	2,930	3,350	420	14.3%	40	30	70	Bachelor's degree	\$59,394	\$14.14	\$35.76
13-2081	Tax Examiners, Collectors, and Revenue Agents	170	180	10	5.9%	<5	<5	<5	Bachelor's degree	\$68,074	\$23.08	\$37.55
13-2082	Tax Preparers	660	630	-30	-4.5%	0	10	10	Moderate-term on-the-job training	\$31,369	\$11.66	\$16.79
13-2099	Financial Specialists, All Other	560	660	100	17.9%	10	20	30	Bachelor's degree	\$69,439	\$16.56	\$41.79
15-0000	Computer and Mathematical Occupations	18,360	22,620	4,260	23.2%	430	410	840		\$63,241	\$19.55	\$35.83
15-1011	Computer and Information Scientists, Research	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
15-1021	Computer Programmers	2,210	2,060	-150	-6.8%	0	50	50	Bachelor's degree	\$66,488	\$21.36	\$37.27
15-1031	Computer Software Engineers, Applications	3,480	4,870	1,390	39.9%	140	50	190	Bachelor's degree	\$70,249	\$24.41	\$38.45
15-1032	Computer Software Engineers, Systems Software	1,150	1,490	340	29.6%	30	20	50	Bachelor's degree	\$74,304	\$27.51	\$39.83

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15-1041	Computer Support Specialists	3,010	3,320	310	10.3%	30	90	120	Associate degree	\$41,713	\$14.31	\$22.93
15-1051	Computer Systems Analysts	3,680	4,590	910	24.7%	90	100	190	Bachelor's degree	\$65,146	\$22.17	\$35.90
15-1061	Database Administrators	530	660	130	24.5%	10	10	20	Bachelor's degree	\$67,580	\$22.23	\$37.62
15-1071	Network and Computer Systems Administrators	1,800	2,220	420	23.3%	40	40	80	Bachelor's degree	\$61,335	\$20.23	\$34.12
15-1081	Network Systems and Data Communications Analysts	1,480	2,220	740	50.0%	70	30	100	Bachelor's degree	\$60,666	\$21.48	\$33.01
15-1099	Computer Specialists, All Other	470	530	60	12.8%	10	10	20	Associate degree	\$55,397	\$12.40	\$33.75
15-2011	Actuaries	220	260	40	18.2%	<5	10	10	Bachelor's or higher degree, plus work experience	\$102,696	\$26.30	\$60.91
15-2021	Mathematicians	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
15-2031	Operations Research Analysts	190	230	40	21.1%	<5	<5	<5	Master's degree	\$58,098	\$19.13	\$32.33
15-2041	Statisticians	70	70	0	0.0%	<5	<5	<5	Master's degree	\$69,847	\$23.39	\$38.67
15-2091	Mathematical Technicians	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
17-0000	Architecture and Engineering Occupations	16,390	17,600	1,210	7.4%	120	380	500		\$60,242	\$18.48	\$34.20
17-1011	Architects, Except Landscape and Naval	440	480	40	9.1%	<5	10	10	Bachelor's degree	\$60,726	\$20.88	\$33.35
17-1012	Landscape Architects	140	150	10	7.1%	<5	<5	<5	Bachelor's degree	\$60,780	\$21.24	\$33.21
17-1021	Cartographers and Photogrammetrists	60	60	0	0.0%	<5	<5	<5	Bachelor's degree	\$54,138	\$20.60	\$28.74
17-1022	Surveyors	430	490	60	14.0%	10	10	20	Bachelor's degree	\$51,515	\$17.64	\$28.33
17-2011	Aerospace Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2021	Agricultural Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2031	Biomedical Engineers	200	230	30	15.0%	<5	10	10	Bachelor's degree	\$82,964	\$29.19	\$45.23
17-2041	Chemical Engineers	80	90	10	12.5%	<5	<5	<5	Bachelor's degree	\$70,285	\$29.64	\$35.87
17-2051	Civil Engineers	1,110	1,240	130	11.7%	10	30	40	Bachelor's degree	\$64,008	\$24.27	\$34.02
17-2061	Computer Hardware Engineers	580	600	20	3.4%	<5	20	20	Bachelor's degree	\$83,567	\$27.80	\$46.37
17-2071	Electrical Engineers	1,440	1,510	70	4.9%	10	30	40	Bachelor's degree	\$88,447	\$27.77	\$49.90
17-2072	Electronics Engineers, Except Computer	850	880	30	3.5%	<5	20	20	Bachelor's degree	\$72,825	\$25.82	\$39.61
17-2081	Environmental Engineers	310	380	70	22.6%	10	10	20	Bachelor's degree	\$66,793	\$22.97	\$36.68
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	80	90	10	12.5%	<5	<5	<5	Bachelor's degree	\$64,516	\$23.55	\$34.75
17-2112	Industrial Engineers	1,620	1,970	350	21.6%	40	40	80	Bachelor's degree	\$61,953	\$21.88	\$33.74
17-2121	Marine Engineers and Naval Architects	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2131	Materials Engineers	140	150	10	7.1%	<5	<5	<5	Bachelor's degree	\$69,754	\$21.94	\$39.33
17-2141	Mechanical Engineers	2,270	2,360	90	4.0%	10	50	60	Bachelor's degree	\$64,227	\$22.81	\$34.92
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2161	Nuclear Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2171	Petroleum Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2199	Engineers, All Other	610	680	70	11.5%	10	10	20	Bachelor's degree	\$65,851	\$21.27	\$36.86
17-3011	Architectural and Civil Drafters	530	520	-10	-1.9%	0	20	20	Postsecondary vocational training	\$43,734	\$15.58	\$23.75
17-3012	Electrical and Electronics Drafters	320	320	0	0.0%	<5	10	10	Postsecondary vocational training	\$47,791	\$15.69	\$26.62
17-3013	Mechanical Drafters	1,220	1,220	0	0.0%	<5	40	40	Postsecondary vocational training	\$44,479	\$14.53	\$24.81
17-3019	Drafters, All Other	100	100	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$45,132	\$16.07	\$24.51

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17-3021	Aerospace Engineering and Operations Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
17-3022	Civil Engineering Technicians	490	510	20	4.1%	<5	10	10	Associate degree	\$43,615	\$15.68	\$23.61
17-3023	Electrical and Electronic Engineering Technicians	1,440	1,480	40	2.8%	<5	30	30	Associate degree	\$44,782	\$16.04	\$24.28
17-3024	Electro-Mechanical Technicians	250	270	20	8.0%	<5	10	10	Associate degree	\$44,679	\$13.70	\$25.37
17-3025	Environmental Engineering Technicians	80	90	10	12.5%	<5	<5	<5	Associate degree	\$44,644	\$15.75	\$24.32
17-3026	Industrial Engineering Technicians	510	560	50	9.8%	10	10	20	Associate degree	\$44,081	\$16.31	\$23.64
17-3027	Mechanical Engineering Technicians	410	420	10	2.4%	<5	10	10	Associate degree	\$49,176	\$17.64	\$26.64
17-3029	Engineering Technicians, Except Drafters, All Other	270	300	30	11.1%	<5	10	10	Associate degree	\$48,237	\$15.89	\$26.84
17-3031	Surveying and Mapping Technicians	330	350	20	6.1%	<5	10	10	Moderate-term on-the-job training	\$41,007	\$13.15	\$23.00
19-0000	Life, Physical, and Social Science Occupations	7,410	8,410	1,000	13.5%	100	170	270		\$64,501	\$16.92	\$38.05
19-1011	Animal Scientists	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$48,376	\$19.70	\$25.03
19-1012	Food Scientists and Technologists	110	130	20	18.2%	<5	<5	<5	Bachelor's degree	\$65,732	\$17.28	\$38.76
19-1013	Soil and Plant Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-1021	Biochemists and Biophysicists	110	120	10	9.1%	<5	<5	<5	Doctoral degree	\$58,900	\$22.69	\$31.13
19-1022	Microbiologists	160	190	30	18.8%	<5	<5	<5	Doctoral degree	\$58,901	\$16.35	\$34.30
19-1023	Zoologists and Wildlife Biologists	80	80	0	0.0%	<5	<5	<5	Doctoral degree	\$59,992	\$21.62	\$32.45
19-1029	Biological Scientists, All Other	140	150	10	7.1%	<5	<5	<5	Doctoral degree	\$62,115	\$19.33	\$35.13
19-1031	Conservation Scientists	140	150	10	7.1%	<5	<5	<5	Bachelor's degree	\$60,576	\$20.24	\$33.56
19-1032	Foresters	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-1042	Medical Scientists, Except Epidemiologists	430	500	70	16.3%	10	10	20	Doctoral degree	\$72,364	\$21.33	\$41.52
19-1099	Life Scientists, All Other	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$52,366	\$14.24	\$30.65
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-2012	Physicists	100	100	0	0.0%	<5	<5	<5	Doctoral degree	\$98,266	\$17.13	\$62.30
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-2031	Chemists	680	750	70	10.3%	10	20	30	Bachelor's degree	\$60,547	\$18.43	\$34.45
19-2032	Materials Scientists	150	170	20	13.3%	<5	<5	<5	Bachelor's degree	\$77,248	\$21.10	\$45.16
19-2041	Environmental Scientists and Specialists, Including Health	340	430	90	26.5%	10	10	20	Master's degree	\$88,140	\$20.53	\$53.30
19-2042	Geoscientists, Except Hydrologists and Geographers	70	80	10	14.3%	<5	<5	<5	Master's degree	\$71,123	\$21.01	\$40.79
19-2043	Hydrologists	90	110	20	22.2%	<5	<5	<5	Master's degree	\$56,798	\$21.48	\$30.22
19-2099	Physical Scientists, All Other	110	120	10	9.1%	<5	<5	<5	Bachelor's degree	\$72,349	\$23.53	\$40.41
19-3011	Economists	80	90	10	12.5%	<5	<5	<5	Master's degree	\$76,547	\$25.80	\$42.30
19-3021	Market Research Analysts	1,540	1,820	280	18.2%	30	10	40	Master's degree	\$75,525	\$18.39	\$45.27
19-3022	Survey Researchers	70	80	10	14.3%	<5	<5	<5	Master's degree	\$51,600	\$13.17	\$30.63
19-3031	Clinical, Counseling, and School Psychologists	620	710	90	14.5%	10	10	20	Doctoral degree	\$77,597	\$20.29	\$45.82
19-3039	Psychologists, All Other	40	40	0	0.0%	<5	<5	<5	Master's degree	\$72,002	\$22.86	\$40.49
19-3041	Sociologists	40	40	0	0.0%	<5	<5	<5	Master's degree	\$54,746	\$20.46	\$29.25
19-3051	Urban and Regional Planners	140	150	10	7.1%	<5	<5	<5	Master's degree	\$59,586	\$20.16	\$32.89
19-3091	Anthropologists and Archeologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3092	Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3093	Historians	10	10	0	0.0%	<5	<5	<5	Master's degree	\$58,247	\$18.16	\$32.93

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19-3094	Political Scientists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3099	Social Scientists and Related Workers, All Other	100	120	20	20.0%	<5	<5	<5	Master's degree	\$69,191	\$24.74	\$37.53
19-4011	Agricultural and Food Science Technicians	150	160	10	6.7%	<5	<5	<5	Associate degree	\$32,519	\$12.08	\$17.41
19-4021	Biological Technicians	260	290	30	11.5%	<5	10	10	Bachelor's degree	\$42,210	\$16.15	\$22.36
19-4031	Chemical Technicians	410	440	30	7.3%	<5	10	10	Associate degree	\$37,245	\$12.36	\$20.68
19-4041	Geological and Petroleum Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
19-4061	Social Science Research Assistants	*	*	*	*	<5	10	10	Associate degree	*	*	*
19-4091	Environmental Science and Protection Technicians, Including Health	120	150	30	25.0%	<5	10	10	Associate degree	\$42,571	\$12.95	\$24.23
19-4092	Forensic Science Technicians	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-4093	Forest and Conservation Technicians	120	130	10	8.3%	<5	10	10	Associate degree	\$35,149	\$12.91	\$18.89
19-4099	Life, Physical, and Social Science Technicians, All Other	500	580	80	16.0%	10	20	30	Associate degree	\$39,115	\$12.55	\$21.93
21-0000	Community and Social Services Occupations	12,980	15,780	2,800	21.6%	280	220	500		\$40,087	\$12.88	\$22.47
21-1011	Substance Abuse and Behavioral Disorder Counselors	460	600	140	30.4%	10	10	20	Master's degree	\$40,272	\$14.00	\$22.04
21-1012	Educational, Vocational, and School Counselors	1,000	1,080	80	8.0%	10	20	30	Master's degree	\$48,205	\$14.93	\$27.30
21-1013	Marriage and Family Therapists	240	310	70	29.2%	10	10	20	Master's degree	\$60,618	\$17.81	\$34.81
21-1014	Mental Health Counselors	450	570	120	26.7%	10	10	20	Master's degree	\$37,505	\$11.41	\$21.34
21-1015	Rehabilitation Counselors	670	810	140	20.9%	10	10	20	Master's degree	\$35,405	\$10.00	\$20.53
21-1019	Counselors, All Other	190	210	20	10.5%	<5	<5	<5	Master's degree	\$40,471	\$15.77	\$21.30
21-1021	Child, Family, and School Social Workers	1,730	2,060	330	19.1%	30	40	70	Master's degree	\$41,652	\$14.49	\$22.79
21-1022	Medical and Public Health Social Workers	760	970	210	27.6%	20	20	40	Master's degree	\$43,928	\$16.13	\$23.61
21-1023	Mental Health and Substance Abuse Social Workers	630	790	160	25.4%	20	10	30	Master's degree	\$40,981	\$15.32	\$21.89
21-1029	Social Workers, All Other	290	310	20	6.9%	<5	10	10	Master's degree	\$55,358	\$21.56	\$29.14
21-1091	Health Educators	230	290	60	26.1%	10	<5	10	Master's degree	\$41,577	\$13.73	\$23.12
21-1092	Probation Officers and Correctional Treatment Specialists	160	170	10	6.3%	<5	<5	<5	Bachelor's degree	\$41,847	\$17.00	\$21.68
21-1093	Social and Human Service Assistants	2,050	2,760	710	34.6%	70	20	90	Moderate-term on-the-job training	\$29,540	\$10.60	\$16.01
21-1099	Community and Social Service Specialists, All Other	790	1,020	230	29.1%	20	10	30	Bachelor's degree	\$33,019	\$10.20	\$18.71
21-2011	Clergy	2,500	2,880	380	15.2%	40	30	70	Master's degree	\$44,020	\$16.87	\$23.31
21-2021	Directors, Religious Activities and Education	*	*	*	*	10	10	20	Bachelor's degree	*	*	*
21-2099	Religious Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
23-0000	Legal Occupations	5,060	5,560	500	9.9%	50	90	140		\$80,518	\$17.39	\$49.37
23-1011	Lawyers	2,720	2,930	210	7.7%	20	50	70	First professional degree	\$106,512	\$25.73	\$63.95
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	20	20	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$112,216	\$42.59	\$59.63
23-1022	Arbitrators, Mediators, and Conciliators	70	80	10	14.3%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$62,291	\$22.90	\$33.47
23-1023	Judges, Magistrate Judges, and Magistrates	70	80	10	14.3%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$110,752	\$48.14	\$55.80
23-2011	Paralegals and Legal Assistants	1,450	1,720	270	18.6%	30	20	50	Associate degree	\$47,960	\$15.90	\$26.64
23-2091	Court Reporters	20	20	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$37,587	\$11.28	\$21.47
23-2092	Law Clerks	100	90	-10	-10.0%	0	<5	<5	Bachelor's degree	\$43,179	\$14.71	\$23.78
23-2093	Title Examiners, Abstractors, and Searchers	470	450	-20	-4.3%	0	10	10	Moderate-term on-the-job training	\$33,847	\$11.97	\$18.42
23-2099	Legal Support Workers, All Other	150	170	20	13.3%	<5	<5	<5	Moderate-term on-the-job training	\$44,664	\$16.77	\$23.83

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25-0000	Education, Training, and Library Occupations	42,790	45,980	3,190	7.5%	320	860	1,180		\$43,284	\$11.49	\$25.47
25-1011	Business Teachers, Postsecondary	470	540	70	14.9%	10	10	20	Doctoral degree	\$68,215	*	*
25-1021	Computer Science Teachers, Postsecondary	120	140	20	16.7%	<5	<5	<5	Doctoral degree	\$58,829	*	*
25-1022	Mathematical Science Teachers, Postsecondary	240	280	40	16.7%	<5	<5	<5	Doctoral degree	\$55,411	*	*
25-1031	Architecture Teachers, Postsecondary	20	30	10	50.0%	<5	<5	<5	Doctoral degree	\$64,446	*	*
25-1032	Engineering Teachers, Postsecondary	150	170	20	13.3%	<5	<5	<5	Doctoral degree	\$75,970	*	*
25-1041	Agricultural Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1042	Biological Science Teachers, Postsecondary	170	190	20	11.8%	<5	<5	<5	Doctoral degree	\$66,679	*	*
25-1043	Forestry and Conservation Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	40	50	10	25.0%	<5	<5	<5	Doctoral degree	\$70,585	*	*
25-1052	Chemistry Teachers, Postsecondary	90	100	10	11.1%	<5	<5	<5	Doctoral degree	\$62,585	*	*
25-1053	Environmental Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1054	Physics Teachers, Postsecondary	70	80	10	14.3%	<5	<5	<5	Doctoral degree	\$63,026	*	*
25-1061	Anthropology and Archeology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	40	50	10	25.0%	<5	<5	<5	Doctoral degree	\$65,085	*	*
25-1063	Economics Teachers, Postsecondary	70	80	10	14.3%	<5	<5	<5	Doctoral degree	\$80,940	*	*
25-1064	Geography Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1065	Political Science Teachers, Postsecondary	60	70	10	16.7%	<5	<5	<5	Doctoral degree	\$62,140	*	*
25-1066	Psychology Teachers, Postsecondary	140	160	20	14.3%	<5	<5	<5	Doctoral degree	\$51,690	*	*
25-1067	Sociology Teachers, Postsecondary	70	80	10	14.3%	<5	<5	<5	Doctoral degree	\$57,470	*	*
25-1069	Social Sciences Teachers, Postsecondary, All Other	60	60	0	0.0%	<5	<5	<5	Doctoral degree	\$87,056	*	*
25-1071	Health Specialties Teachers, Postsecondary	760	890	130	17.1%	10	10	20	Master's degree	\$58,974	*	*
25-1072	Nursing Instructors and Teachers, Postsecondary	290	340	50	17.2%	10	10	20	Doctoral degree	\$56,803	*	*
25-1081	Education Teachers, Postsecondary	360	430	70	19.4%	10	10	20	Doctoral degree	\$53,130	*	*
25-1082	Library Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	50	60	10	20.0%	<5	<5	<5	Doctoral degree	\$48,987	*	*
25-1112	Law Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1113	Social Work Teachers, Postsecondary	50	60	10	20.0%	<5	<5	<5	Doctoral degree	\$60,420	*	*
25-1121	Art, Drama, and Music Teachers, Postsecondary	380	440	60	15.8%	10	10	20	Master's degree	\$56,440	*	*
25-1122	Communications Teachers, Postsecondary	190	220	30	15.8%	<5	<5	<5	Doctoral degree	\$56,740	*	*
25-1123	English Language and Literature Teachers, Postsecondary	280	320	40	14.3%	<5	10	10	Doctoral degree	\$51,811	*	*
25-1124	Foreign Language and Literature Teachers, Postsecondary	160	190	30	18.8%	<5	<5	<5	Doctoral degree	\$59,305	*	*
25-1125	History Teachers, Postsecondary	90	110	20	22.2%	<5	<5	<5	Doctoral degree	\$60,366	*	*
25-1126	Philosophy and Religion Teachers, Postsecondary	90	110	20	22.2%	<5	<5	<5	Doctoral degree	\$63,935	*	*
25-1191	Graduate Teaching Assistants	810	940	130	16.0%	10	10	20	Bachelor's degree	\$24,552	*	*
25-1192	Home Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	70	80	10	14.3%	<5	<5	<5	Master's degree	\$48,801	*	*

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25-1194	Vocational Education Teachers, Postsecondary	950	1,090	140	14.7%	10	20	30	Work experience in a related occupation	\$57,792	\$20.71	\$31.32
25-1199	Postsecondary Teachers, All Other	730	850	120	16.4%	10	10	20	Doctoral degree	\$56,501	*	*
25-2011	Preschool Teachers, Except Special Education	2,760	3,250	490	17.8%	50	50	100	Bachelor's degree	\$22,643	\$8.17	\$12.24
25-2012	Kindergarten Teachers, Except Special Education	830	910	80	9.6%	10	10	20	Bachelor's degree	\$44,452	*	*
25-2021	Elementary School Teachers, Except Special Education	7,250	7,790	540	7.4%	50	160	210	Bachelor's degree	\$50,967	*	*
25-2022	Middle School Teachers, Except Special and Vocational Education	3,660	3,850	190	5.2%	20	80	100	Bachelor's degree	\$48,236	*	*
25-2023	Vocational Education Teachers, Middle School	130	110	-20	-15.4%	0	<5	<5	Bachelor's degree	\$45,276	*	*
25-2031	Secondary School Teachers, Except Special and Vocational Education	5,410	5,400	-10	-0.2%	0	160	160	Bachelor's degree	\$53,717	*	*
25-2032	Vocational Education Teachers, Secondary School	400	360	-40	-10.0%	0	10	10	Bachelor's degree	\$51,423	*	*
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	850	960	110	12.9%	10	20	30	Bachelor's degree	\$47,510	*	*
25-2042	Special Education Teachers, Middle School	420	460	40	9.5%	<5	10	10	Bachelor's degree	\$53,034	*	*
25-2043	Special Education Teachers, Secondary School	610	620	10	1.6%	<5	10	10	Bachelor's degree	\$55,774	*	*
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	300	320	20	6.7%	<5	<5	<5	Bachelor's degree	\$43,321	\$14.22	\$24.13
25-3021	Self-Enrichment Education Teachers	1,020	1,170	150	14.7%	20	10	30	Work experience in a related occupation	\$38,561	\$10.92	\$22.35
25-3099	Teachers and Instructors, All Other	3,340	3,490	150	4.5%	20	40	60	Bachelor's degree	\$31,038	*	*
25-4011	Archivists	30	30	0	0.0%	<5	<5	<5	Master's degree	\$49,643	\$19.94	\$25.83
25-4012	Curators	80	80	0	0.0%	<5	<5	<5	Master's degree	\$47,707	\$14.78	\$27.02
25-4013	Museum Technicians and Conservators	60	60	0	0.0%	<5	<5	<5	Bachelor's degree	\$37,328	\$11.92	\$20.96
25-4021	Librarians	660	660	0	0.0%	<5	20	20	Master's degree	\$52,866	\$18.45	\$28.90
25-4031	Library Technicians	650	670	20	3.1%	<5	30	30	Postsecondary vocational training	\$28,033	\$8.11	\$16.16
25-9011	Audio-Visual Collections Specialists	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$37,679	\$11.18	\$21.58
25-9021	Farm and Home Management Advisors	210	210	0	0.0%	<5	<5	<5	Bachelor's degree	\$30,087	\$10.80	\$16.30
25-9031	Instructional Coordinators	350	410	60	17.1%	10	10	20	Master's degree	\$60,170	\$16.45	\$35.17
25-9041	Teacher Assistants	6,340	6,580	240	3.8%	20	100	120	Associate degree	\$26,153	*	*
25-9099	Education, Training, and Library Workers, All Other	130	140	10	7.7%	<5	<5	<5	Bachelor's degree	\$29,852	\$7.50	\$17.78
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	10,860	11,750	890	8.2%	90	260	350		\$42,873	\$11.05	\$25.39
27-1011	Art Directors	240	270	30	12.5%	<5	10	10	Bachelor's or higher degree, plus work experience	\$61,081	\$19.74	\$34.18
27-1012	Craft Artists	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	50	60	10	20.0%	<5	<5	<5	Long-term on-the-job training	\$28,472	\$10.67	\$15.20
27-1014	Multi-Media Artists and Animators	190	250	60	31.6%	10	10	20	Bachelor's degree	\$45,518	\$18.93	\$23.36
27-1019	Artists and Related Workers, All Other	50	60	10	20.0%	<5	<5	<5	Long-term on-the-job training	\$35,458	\$11.88	\$19.63
27-1021	Commercial and Industrial Designers	370	390	20	5.4%	<5	10	10	Bachelor's degree	\$50,694	\$18.08	\$27.52
27-1022	Fashion Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
27-1023	Floral Designers	300	280	-20	-6.7%	0	10	10	Moderate-term on-the-job training	\$24,612	\$8.72	\$13.39
27-1024	Graphic Designers	1,580	1,720	140	8.9%	10	40	50	Bachelor's degree	\$40,523	\$14.02	\$22.21
27-1025	Interior Designers	300	330	30	10.0%	<5	10	10	Bachelor's degree	\$40,988	\$12.48	\$23.32

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27-1026	Merchandise Displayers and Window Trimmers	240	270	30	12.5%	<5	10	10	Moderate-term on-the-job training	\$30,146	\$8.73	\$17.37
27-1027	Set and Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
27-1029	Designers, All Other	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$41,568	\$11.68	\$24.14
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	\$9.35	\$16.09
27-2012	Producers and Directors	230	250	20	8.7%	<5	10	10	Bachelor's or higher degree, plus work experience	\$57,576	\$17.60	\$32.72
27-2021	Athletes and Sports Competitors	*	*	*	*	<5	10	10	Long-term on-the-job training	*	*	*
27-2022	Coaches and Scouts	930	1,020	90	9.7%	10	20	30	Long-term on-the-job training	\$33,673	*	*
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2031	Dancers	*	*	*	*	<5	10	10	Long-term on-the-job training	*	\$7.87	\$12.53
27-2032	Choreographers	200	200	0	0.0%	<5	10	10	Work experience in a related occupation	\$34,968	\$9.16	\$20.64
27-2041	Music Directors and Composers	*	*	*	*	<5	10	10	Bachelor's or higher degree, plus work experience	*	*	*
27-2042	Musicians and Singers	*	*	*	*	10	10	20	Long-term on-the-job training	*	\$11.03	\$36.07
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	\$7.80	\$12.64
27-3011	Radio and Television Announcers	260	220	-40	-15.4%	0	10	10	Long-term on-the-job training	\$39,102	\$7.42	\$24.49
27-3012	Public Address System and Other Announcers	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$43,044	\$13.45	\$24.31
27-3021	Broadcast News Analysts	50	50	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$37,437	\$11.37	\$21.31
27-3022	Reporters and Correspondents	280	280	0	0.0%	<5	10	10	Bachelor's degree	\$49,359	\$13.16	\$29.02
27-3031	Public Relations Specialists	1,600	1,840	240	15.0%	20	10	30	Bachelor's degree	\$55,120	\$15.63	\$31.93
27-3041	Editors	540	530	-10	-1.9%	0	20	20	Bachelor's degree	\$46,088	\$14.56	\$25.96
27-3042	Technical Writers	290	330	40	13.8%	<5	10	10	Bachelor's degree	\$51,772	\$19.62	\$27.53
27-3043	Writers and Authors	350	390	40	11.4%	<5	10	10	Bachelor's degree	\$37,619	\$10.21	\$22.02
27-3091	Interpreters and Translators	260	310	50	19.2%	10	10	20	Long-term on-the-job training	\$37,312	\$12.48	\$20.67
27-3099	Media and Communication Workers, All Other	50	60	10	20.0%	<5	<5	<5	Long-term on-the-job training	\$57,764	\$17.97	\$32.67
27-4011	Audio and Video Equipment Technicians	150	190	40	26.7%	<5	10	10	Long-term on-the-job training	\$30,301	\$8.91	\$17.40
27-4012	Broadcast Technicians	220	230	10	4.5%	<5	10	10	Postsecondary vocational training	\$39,341	\$8.90	\$23.92
27-4014	Sound Engineering Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
27-4021	Photographers	270	260	-10	-3.7%	0	10	10	Bachelor's degree	\$36,782	\$11.31	\$20.87
27-4031	Camera Operators, Television, Video, and Motion Picture	60	70	10	16.7%	<5	<5	<5	Postsecondary vocational training	\$40,457	\$11.11	\$23.62
27-4032	Film and Video Editors	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$37,057	\$14.43	\$19.51
27-4099	Media and Communication Equipment Workers, All	110	110	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$49,328	\$14.86	\$28.14
29-0000	Healthcare Practitioners and Technical Occupations	43,160	52,680	9,520	22.1%	950	800	1,750		\$67,248	\$17.13	\$39.93
29-1011	Chiropractors	270	340	70	25.9%	10	<5	10	First professional degree	\$114,884	\$27.08	\$69.31
29-1021	Dentists, General	590	640	50	8.5%	10	10	20	First professional degree	\$138,523	\$45.93	\$76.93
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1023	Orthodontists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1024	Prosthodontists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1029	Dentists, All Other Specialists	20	20	0	0.0%	<5	<5	<5	First professional degree	\$86,252	\$26.25	\$49.08
29-1031	Dietitians and Nutritionists	330	350	20	6.1%	<5	10	10	Bachelor's degree	\$51,142	\$20.05	\$26.86
29-1041	Optometrists	130	140	10	7.7%	<5	<5	<5	First professional degree	\$80,154	\$21.41	\$47.10
29-1051	Pharmacists	1,500	1,770	270	18.0%	30	30	60	First professional degree	\$98,074	\$36.60	\$52.42

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29-1061	Anesthesiologists	170	210	40	23.5%	<5	<5	<5	First professional degree	\$190,552	*	*
29-1062	Family and General Practitioners	780	900	120	15.4%	10	10	20	First professional degree	\$174,599	*	*
29-1063	Internists, General	430	490	60	14.0%	10	10	20	First professional degree	\$189,772	*	*
29-1064	Obstetricians and Gynecologists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1065	Pediatricians, General	110	130	20	18.2%	<5	<5	<5	First professional degree	\$152,583	\$54.20	\$82.93
29-1066	Psychiatrists	130	160	30	23.1%	<5	<5	<5	First professional degree	\$170,622	*	*
29-1067	Surgeons	330	380	50	15.2%	10	10	20	First professional degree	\$182,093	*	*
29-1069	Physicians and Surgeons, All Other	1,240	1,510	270	21.8%	30	20	50	First professional degree	\$176,919	*	*
29-1071	Physician Assistants	340	450	110	32.4%	10	10	20	Master's degree	\$83,117	\$33.61	\$43.14
29-1081	Podiatrists	30	30	0	0.0%	<5	<5	<5	First professional degree	\$121,034	\$33.42	\$70.58
29-1111	Registered Nurses	15,400	19,610	4,210	27.3%	420	250	670	Associate or Bachelor's degree ⁽⁸⁾	\$59,071	\$23.16	\$31.02
29-1121	Audiologists	70	80	10	14.3%	<5	<5	<5	Doctoral degree	\$60,263	\$23.22	\$31.85
29-1122	Occupational Therapists	760	950	190	25.0%	20	10	30	Master's degree	\$52,891	\$20.92	\$27.68
29-1123	Physical Therapists	1,130	1,460	330	29.2%	30	10	40	Master's degree	\$63,201	\$23.07	\$34.04
29-1124	Radiation Therapists	150	200	50	33.3%	10	<5	10	Associate degree	\$76,692	\$30.67	\$39.97
29-1125	Recreational Therapists	150	160	10	6.7%	<5	<5	<5	Bachelor's degree	\$35,087	\$13.00	\$18.81
29-1126	Respiratory Therapists	550	700	150	27.3%	20	10	30	Associate degree	\$52,066	\$20.98	\$27.06
29-1127	Speech-Language Pathologists	600	640	40	6.7%	<5	10	10	Master's degree	\$56,288	\$20.67	\$30.26
29-1129	Therapists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
29-1131	Veterinarians	390	510	120	30.8%	10	10	20	First professional degree	\$91,381	\$22.39	\$54.71
29-1199	Health Diagnosing and Treating Practitioners, All Other	180	200	20	11.1%	<5	<5	<5	First professional degree	\$61,863	\$19.59	\$34.82
29-2011	Medical and Clinical Laboratory Technologists	1,160	1,400	240	20.7%	20	20	40	Bachelor's degree	\$51,956	\$19.22	\$27.86
29-2012	Medical and Clinical Laboratory Technicians	*	*	*	*	10	10	20	Associate degree	*	*	*
29-2021	Dental Hygienists	1,270	1,650	380	29.9%	40	20	60	Associate degree	\$54,050	\$22.58	\$27.69
29-2031	Cardiovascular Technologists and Technicians	220	280	60	27.3%	10	<5	10	Associate degree	\$45,546	\$14.41	\$25.64
29-2032	Diagnostic Medical Sonographers	290	350	60	20.7%	10	<5	10	Associate degree	\$73,263	\$29.44	\$38.11
29-2033	Nuclear Medicine Technologists	110	130	20	18.2%	<5	<5	<5	Associate degree	\$68,668	\$28.89	\$35.07
29-2034	Radiologic Technologists and Technicians	1,460	1,740	280	19.2%	30	20	50	Associate degree	\$51,750	\$19.93	\$27.35
29-2041	Emergency Medical Technicians and Paramedics	1,850	2,080	230	12.4%	20	20	40	Postsecondary vocational training	\$30,195	\$8.59	\$17.48
29-2051	Dietetic Technicians	150	170	20	13.3%	<5	10	10	Postsecondary vocational training	\$31,043	\$11.86	\$16.46
29-2052	Pharmacy Technicians	2,090	2,650	560	26.8%	60	60	120	Moderate-term on-the-job training	\$25,849	\$9.25	\$14.02
29-2053	Psychiatric Technicians	240	250	10	4.2%	<5	10	10	Postsecondary vocational training	\$29,454	\$11.15	\$15.67
29-2054	Respiratory Therapy Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
29-2055	Surgical Technologists	700	900	200	28.6%	20	20	40	Postsecondary vocational training	\$44,624	\$17.95	\$23.21
29-2056	Veterinary Technologists and Technicians	410	530	120	29.3%	10	10	20	Associate degree	\$25,144	\$9.99	\$13.14
29-2061	Licensed Practical and Licensed Vocational Nurses	3,260	3,660	400	12.3%	40	90	130	Postsecondary vocational training	\$41,811	\$16.64	\$21.83
29-2071	Medical Records and Health Information Technicians	1,100	1,350	250	22.7%	30	30	60	Associate degree	\$32,817	\$11.31	\$18.01
29-2081	Opticians, Dispensing	580	600	20	3.4%	<5	20	20	Long-term on-the-job training	\$31,147	\$11.46	\$16.73
29-2091	Orthotists and Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
29-2099	Health Technologists and Technicians, All Other	720	850	130	18.1%	10	10	20	Postsecondary vocational training	\$40,728	\$14.32	\$22.21
29-9011	Occupational Health and Safety Specialists	210	230	20	9.5%	<5	<5	<5	Bachelor's degree	\$61,929	\$22.17	\$33.58

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29-9012	Occupational Health and Safety Technicians	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$47,879	\$17.19	\$25.93
29-9091	Athletic Trainers	140	160	20	14.3%	<5	<5	<5	Bachelor's degree	\$42,639	*	*
29-9099	Healthcare Practitioners and Technical Workers, All Other	460	540	80	17.4%	10	10	20	Bachelor's degree	\$41,927	\$12.62	\$23.93
31-0000	Healthcare Support Occupations	25,550	31,950	6,400	25.0%	640	270	910		\$24,932	\$9.22	\$13.37
31-1011	Home Health Aides	5,710	8,260	2,550	44.7%	260	50	310	Short-term on-the-job training	\$21,147	\$8.53	\$10.99
31-1012	Nursing Aides, Orderlies, and Attendants	10,190	11,690	1,500	14.7%	150	90	240	Postsecondary vocational training	\$24,247	\$9.50	\$12.74
31-1013	Psychiatric Aides	190	230	40	21.1%	<5	<5	<5	Short-term on-the-job training	\$20,327	\$7.86	\$10.73
31-2011	Occupational Therapist Assistants	190	230	40	21.1%	<5	<5	<5	Associate degree	\$37,311	\$15.45	\$19.18
31-2012	Occupational Therapist Aides	60	80	20	33.3%	<5	<5	<5	Short-term on-the-job training	\$30,096	\$10.86	\$16.27
31-2021	Physical Therapist Assistants	370	490	120	32.4%	10	10	20	Associate degree	\$37,057	\$13.80	\$19.83
31-2022	Physical Therapist Aides	380	500	120	31.6%	10	10	20	Short-term on-the-job training	\$24,749	\$10.27	\$12.71
31-9011	Massage Therapists	260	300	40	15.4%	<5	<5	<5	Postsecondary vocational training	\$25,804	\$6.61	\$15.30
31-9091	Dental Assistants	1,610	2,100	490	30.4%	50	30	80	Moderate-term on-the-job training	\$28,841	\$11.30	\$15.15
31-9092	Medical Assistants	2,200	3,020	820	37.3%	80	30	110	Moderate-term on-the-job training	\$27,992	\$10.44	\$14.96
31-9093	Medical Equipment Preparers	270	320	50	18.5%	10	<5	10	Short-term on-the-job training	\$30,494	\$10.55	\$16.71
31-9094	Medical Transcriptionists	1,250	1,470	220	17.6%	20	20	40	Postsecondary vocational training	\$33,140	\$13.48	\$17.16
31-9095	Pharmacy Aides	230	200	-30	-13.0%	0	<5	<5	Short-term on-the-job training	\$18,437	\$6.65	\$9.97
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	370	400	30	8.1%	<5	10	10	Short-term on-the-job training	\$19,983	\$8.09	\$10.37
31-9099	Healthcare Support Workers, All Other	2,270	2,680	410	18.1%	40	30	70	Short-term on-the-job training	\$25,807	\$9.66	\$13.78
33-0000	Protective Service Occupations	12,630	13,780	1,150	9.1%	120	360	480		\$38,183	\$8.95	\$23.06
33-1011	First-Line Supervisors/Managers of Correctional Officers	120	120	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$55,075	\$23.24	\$28.10
33-1012	First-Line Supervisors/Managers of Police and Detectives	290	300	10	3.4%	<5	10	10	Work experience in a related occupation	\$70,868	\$27.84	\$37.18
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	170	180	10	5.9%	<5	10	10	Work experience in a related occupation	\$61,108	\$18.84	\$34.65
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	140	160	20	14.3%	<5	<5	<5	Work experience in a related occupation	\$45,126	\$14.92	\$25.08
33-2011	Fire Fighters	1,780	1,870	90	5.1%	10	70	80	Long-term on-the-job training	\$35,604	\$6.38	\$22.49
33-2021	Fire Inspectors and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
33-3011	Bailiffs	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$23,625	\$8.59	\$12.74
33-3012	Correctional Officers and Jailers	1,090	1,190	100	9.2%	10	30	40	Moderate-term on-the-job training	\$38,910	\$15.09	\$20.51
33-3021	Detectives and Criminal Investigators	380	440	60	15.8%	10	10	20	Work experience in a related occupation	\$61,123	\$25.84	\$31.16
33-3031	Fish and Game Wardens	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
33-3041	Parking Enforcement Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
33-3051	Police and Sheriff's Patrol Officers	2,530	2,660	130	5.1%	10	70	80	Long-term on-the-job training	\$52,077	\$19.67	\$27.72
33-3052	Transit and Railroad Police	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
33-9011	Animal Control Workers	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,704	\$9.74	\$13.67
33-9021	Private Detectives and Investigators	130	160	30	23.1%	<5	<5	<5	Work experience in a related occupation	\$36,576	\$10.94	\$20.91
33-9031	Gaming Surveillance Officers and Gaming Investigators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
33-9032	Security Guards	4,350	4,970	620	14.3%	60	90	150	Short-term on-the-job training	\$25,279	\$8.67	\$13.89
33-9091	Crossing Guards	490	470	-20	-4.1%	0	10	10	Short-term on-the-job training	\$22,022	\$9.14	\$11.31

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33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	590	650	60	10.2%	10	40	50	Short-term on-the-job training	\$17,929	\$7.48	\$9.19
33-9099	Protective Service Workers, All Other	280	300	20	7.1%	<5	20	20	Short-term on-the-job training	\$30,560	\$10.20	\$16.94
35-0000	Food Preparation and Serving Related Occupations	66,270	74,060	7,790	11.8%	780	2,220	3,000		\$18,397	\$6.46	\$10.04
35-1011	Chefs and Head Cooks	620	660	40	6.5%	<5	10	10	Postsecondary vocational training	\$37,364	\$12.54	\$20.68
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	4,230	4,670	440	10.4%	40	30	70	Work experience in a related occupation	\$30,550	\$10.44	\$16.81
35-2011	Cooks, Fast Food	3,070	3,280	210	6.8%	20	80	100	Short-term on-the-job training	\$17,847	\$6.53	\$9.61
35-2012	Cooks, Institution and Cafeteria	2,270	2,440	170	7.5%	20	60	80	Long-term on-the-job training	\$22,914	\$8.58	\$12.23
35-2013	Cooks, Private Household	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
35-2014	Cooks, Restaurant	4,040	4,500	460	11.4%	50	110	160	Long-term on-the-job training	\$20,683	\$7.72	\$11.05
35-2015	Cooks, Short Order	1,000	1,040	40	4.0%	<5	30	30	Short-term on-the-job training	\$19,453	\$7.83	\$10.11
35-2019	Cooks, All Other	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$22,555	\$8.84	\$11.85
35-2021	Food Preparation Workers	3,650	4,090	440	12.1%	40	130	170	Short-term on-the-job training	\$18,501	\$7.02	\$9.83
35-3011	Bartenders	5,800	6,420	620	10.7%	60	210	270	Short-term on-the-job training	\$19,462	\$6.88	\$10.59
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	17,600	20,520	2,920	16.6%	290	330	620	Short-term on-the-job training	\$16,784	\$6.43	\$8.89
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	2,450	2,630	180	7.3%	20	170	190	Short-term on-the-job training	\$16,785	\$6.52	\$8.84
35-3031	Waiters and Waitresses	12,600	13,870	1,270	10.1%	130	690	820	Short-term on-the-job training	\$15,972	\$6.45	\$8.30
35-3041	Food Servers, Nonrestaurant	1,640	1,870	230	14.0%	20	30	50	Short-term on-the-job training	\$19,547	\$7.39	\$10.40
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	2,250	2,490	240	10.7%	20	90	110	Short-term on-the-job training	\$15,914	\$6.43	\$8.26
35-9021	Dishwashers	3,280	3,620	340	10.4%	30	130	160	Short-term on-the-job training	\$15,275	\$6.44	\$7.80
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,580	1,740	160	10.1%	20	110	130	Short-term on-the-job training	\$16,800	\$6.45	\$8.89
35-9099	Food Preparation and Serving Related Workers, All Other	150	170	20	13.3%	<5	10	10	Short-term on-the-job training	\$20,263	\$6.69	\$11.27
37-0000	Building and Grounds Cleaning and Maintenance Occupations	30,060	34,010	3,950	13.1%	400	530	930		\$23,709	\$7.66	\$13.27
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	1,150	1,260	110	9.6%	10	20	30	Work experience in a related occupation	\$35,557	\$11.32	\$19.98
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	590	690	100	16.9%	10	<5	10	Work experience in a related occupation	\$47,376	\$14.34	\$27.00
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	16,280	18,220	1,940	11.9%	190	310	500	Short-term on-the-job training	\$22,522	\$7.68	\$12.40
37-2012	Maids and Housekeeping Cleaners	6,320	7,140	820	13.0%	80	120	200	Short-term on-the-job training	\$19,630	\$7.54	\$10.39
37-2019	Building Cleaning Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
37-2021	Pest Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
37-3011	Landscaping and Groundskeeping Workers	5,120	6,020	900	17.6%	90	70	160	Short-term on-the-job training	\$24,706	\$7.81	\$13.91
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	160	180	20	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$31,931	\$9.85	\$18.10
37-3013	Tree Trimmers and Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*

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37-3019	Grounds Maintenance Workers, All Other	70	90	20	28.6%	<5	<5	<5	Short-term on-the-job training	\$35,610	\$11.08	\$20.14
39-0000	Personal Care and Service Occupations	25,750	31,830	6,080	23.6%	610	580	1,190		\$21,815	\$7.51	\$11.98
39-1011	Gaming Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-1021	First-Line Supervisors/Managers of Personal Service Workers	1,010	1,190	180	17.8%	20	20	40	Work experience in a related occupation	\$35,974	\$12.14	\$19.87
39-2011	Animal Trainers	140	160	20	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$32,002	\$14.29	\$15.93
39-2021	Nonfarm Animal Caretakers	830	960	130	15.7%	10	10	20	Short-term on-the-job training	\$20,140	\$6.80	\$11.12
39-3011	Gaming Dealers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-3012	Gaming and Sports Book Writers and Runners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-3019	Gaming Service Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-3021	Motion Picture Projectionists	70	60	-10	-14.3%	0	<5	<5	Short-term on-the-job training	\$19,602	\$8.12	\$10.07
39-3031	Ushers, Lobby Attendants, and Ticket Takers	570	600	30	5.3%	<5	40	40	Short-term on-the-job training	\$15,403	\$6.40	\$7.91
39-3091	Amusement and Recreation Attendants	1,280	1,410	130	10.2%	10	60	70	Short-term on-the-job training	\$16,861	\$6.40	\$8.96
39-3092	Costume Attendants	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$31,720	\$10.05	\$17.85
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	90	100	10	11.1%	<5	<5	<5	Short-term on-the-job training	\$20,860	\$7.46	\$11.31
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	<5	10	10	Moderate-term on-the-job training	*	*	*
39-4011	Embalmers	30	30	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$47,007	\$13.14	\$27.33
39-4021	Funeral Attendants	170	190	20	11.8%	<5	<5	<5	Short-term on-the-job training	\$23,658	\$9.66	\$12.23
39-5011	Barbers	*	*	*	*	0	<5	<5	Postsecondary vocational training	*	*	*
39-5012	Hairdressers, Hairstylists, and Cosmetologists	3,300	3,550	250	7.6%	30	40	70	Postsecondary vocational training	\$23,234	\$7.75	\$12.88
39-5091	Makeup Artists, Theatrical and Performance	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-5092	Manicurists and Pedicurists	190	230	40	21.1%	<5	<5	<5	Postsecondary vocational training	\$22,473	\$7.61	\$12.40
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-5094	Skin Care Specialists	90	120	30	33.3%	<5	<5	<5	Postsecondary vocational training	\$23,574	\$7.70	\$13.15
39-6011	Baggage Porters and Bellhops	120	130	10	8.3%	<5	<5	<5	Short-term on-the-job training	\$16,302	\$6.36	\$8.58
39-6012	Concierges	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$23,156	\$9.90	\$11.75
39-6021	Tour Guides and Escorts	280	310	30	10.7%	<5	10	10	Moderate-term on-the-job training	\$22,425	\$6.88	\$12.73
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-6031	Flight Attendants	*	*	*	*	<5	10	10	Long-term on-the-job training	*	*	*
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	230	260	30	13.0%	<5	<5	<5	Short-term on-the-job training	\$16,822	\$6.37	\$8.94
39-9011	Child Care Workers	4,710	5,900	1,190	25.3%	120	140	260	Short-term on-the-job training	\$21,216	\$7.52	\$11.54
39-9021	Personal and Home Care Aides	7,880	11,370	3,490	44.3%	350	130	480	Short-term on-the-job training	\$19,586	\$7.99	\$10.13
39-9031	Fitness Trainers and Aerobics Instructors	1,110	1,290	180	16.2%	20	20	40	Postsecondary vocational training	\$20,160	\$7.42	\$10.83
39-9032	Recreation Workers	1,830	2,050	220	12.0%	20	30	50	Bachelor's degree	\$21,960	\$7.05	\$12.31
39-9041	Residential Advisors	290	350	60	20.7%	10	10	20	Short-term on-the-job training	\$26,112	\$10.43	\$13.61
39-9099	Personal Care and Service Workers, All Other	250	210	-40	-16.0%	0	10	10	Short-term on-the-job training	\$25,309	\$8.32	\$14.09
41-0000	Sales and Related Occupations	79,770	84,630	4,860	6.1%	490	2,410	2,900		\$40,102	\$7.73	\$25.06
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	5,230	5,290	60	1.1%	10	110	120	Work experience in a related occupation	\$41,535	\$12.13	\$23.89

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41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	1,720	1,800	80	4.7%	10	30	40	Work experience in a related occupation	\$92,273	\$23.49	\$54.80
41-2011	Cashiers	16,370	15,540	-830	-5.1%	0	780	780	Short-term on-the-job training	\$17,597	\$6.70	\$9.34
41-2012	Gaming Change Persons and Booth Cashiers	*	*	*	*	0	10	10	Short-term on-the-job training	*	*	*
41-2021	Counter and Rental Clerks	2,680	3,080	400	14.9%	40	100	140	Short-term on-the-job training	\$25,379	\$7.12	\$14.74
41-2022	Parts Salespersons	1,280	1,220	-60	-4.7%	0	10	10	Moderate-term on-the-job training	\$33,147	\$10.25	\$18.78
41-2031	Retail Salespersons	23,780	25,550	1,770	7.4%	180	730	910	Short-term on-the-job training	\$25,502	\$7.43	\$14.67
41-3011	Advertising Sales Agents	1,120	1,320	200	17.9%	20	20	40	Moderate-term on-the-job training	\$54,403	\$12.78	\$32.84
41-3021	Insurance Sales Agents	2,090	2,610	520	24.9%	50	50	100	Bachelor's degree	\$87,434	\$17.38	\$54.36
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,860	2,340	480	25.8%	50	50	100	Bachelor's degree	\$66,562	\$15.13	\$40.43
41-3041	Travel Agents	850	820	-30	-3.5%	0	10	10	Postsecondary vocational training	\$26,106	\$8.99	\$14.33
41-3099	Sales Representatives, Services, All Other	3,380	4,210	830	24.6%	80	80	160	Work experience in a related occupation	\$56,389	\$13.37	\$33.98
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	2,980	3,330	350	11.7%	40	70	110	Work experience in a related occupation	\$79,043	\$22.72	\$45.64
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	11,570	12,530	960	8.3%	100	260	360	Work experience in a related occupation	\$64,295	\$17.29	\$37.72
41-9011	Demonstrators and Product Promoters	*	*	*	*	10	20	30	Moderate-term on-the-job training	*	*	*
41-9012	Models	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
41-9021	Real Estate Brokers	190	220	30	15.8%	<5	<5	<5	Postsecondary vocational training	\$82,030	\$19.07	\$49.62
41-9022	Real Estate Sales Agents	370	420	50	13.5%	10	10	20	Postsecondary vocational training	\$39,377	\$13.99	\$21.40
41-9031	Sales Engineers	730	760	30	4.1%	<5	20	20	Bachelor's degree	\$78,213	\$26.90	\$42.95
41-9041	Telemarketers	1,780	1,590	-190	-10.7%	0	60	60	Short-term on-the-job training	\$27,364	\$8.09	\$15.69
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
41-9099	Sales and Related Workers, All Other	850	950	100	11.8%	10	10	20	Moderate-term on-the-job training	\$50,573	\$9.99	\$31.48
43-0000	Office and Administrative Support Occupations	144,470	153,420	8,950	6.2%	900	3,090	3,990		\$30,848	\$9.70	\$17.39
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	7,170	7,440	270	3.8%	30	150	180	Work experience in a related occupation	\$47,860	\$15.43	\$26.80
43-2011	Switchboard Operators, Including Answering Service	1,070	970	-100	-9.3%	0	20	20	Short-term on-the-job training	\$25,751	\$9.18	\$13.98
43-2021	Telephone Operators	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
43-2099	Communications Equipment Operators, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
43-3011	Bill and Account Collectors	1,850	2,230	380	20.5%	40	30	70	Short-term on-the-job training	\$29,394	\$11.24	\$15.58
43-3021	Billing and Posting Clerks and Machine Operators	3,400	3,520	120	3.5%	10	40	50	Moderate-term on-the-job training	\$29,889	\$11.24	\$15.93
43-3031	Bookkeeping, Accounting, and Auditing Clerks	13,560	15,120	1,560	11.5%	160	210	370	Moderate-term on-the-job training	\$32,091	\$11.13	\$17.58
43-3041	Gaming Cage Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
43-3051	Payroll and Timekeeping Clerks	1,270	1,290	20	1.6%	<5	30	30	Moderate-term on-the-job training	\$36,051	\$12.94	\$19.53
43-3061	Procurement Clerks	560	570	10	1.8%	<5	10	10	Moderate-term on-the-job training	\$33,194	\$12.17	\$17.85
43-3071	Tellers	4,600	5,310	710	15.4%	70	200	270	Short-term on-the-job training	\$22,082	\$8.76	\$11.54
43-4011	Brokerage Clerks	520	600	80	15.4%	10	20	30	Moderate-term on-the-job training	\$34,981	\$12.85	\$18.80
43-4021	Correspondence Clerks	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$27,410	\$10.01	\$14.76

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43-4031	Court, Municipal, and License Clerks	360	380	20	5.6%	<5	10	10	Short-term on-the-job training	\$35,665	\$14.48	\$18.48
43-4041	Credit Authorizers, Checkers, and Clerks	360	330	-30	-8.3%	0	10	10	Short-term on-the-job training	\$29,657	\$10.04	\$16.37
43-4051	Customer Service Representatives	14,360	17,510	3,150	21.9%	320	400	720	Moderate-term on-the-job training	\$32,965	\$11.02	\$18.26
43-4061	Eligibility Interviewers, Government Programs	240	250	10	4.2%	<5	<5	<5	Moderate-term on-the-job training	\$37,991	\$13.81	\$20.49
43-4071	File Clerks	1,460	860	-600	-41.1%	0	40	40	Short-term on-the-job training	\$23,914	\$8.88	\$12.80
43-4081	Hotel, Motel, and Resort Desk Clerks	980	1,120	140	14.3%	10	40	50	Short-term on-the-job training	\$18,884	\$7.91	\$9.66
43-4111	Interviewers, Except Eligibility and Loan	1,200	1,370	170	14.2%	20	30	50	Short-term on-the-job training	\$26,003	\$9.12	\$14.19
43-4121	Library Assistants, Clerical	460	470	10	2.2%	<5	10	10	Short-term on-the-job training	\$21,357	\$7.15	\$11.83
43-4131	Loan Interviewers and Clerks	1,810	1,770	-40	-2.2%	0	30	30	Short-term on-the-job training	\$32,222	\$11.06	\$17.71
43-4141	New Accounts Clerks	640	570	-70	-10.9%	0	20	20	Work experience in a related occupation	\$29,401	\$11.90	\$15.25
43-4151	Order Clerks	1,930	1,420	-510	-26.4%	0	40	40	Short-term on-the-job training	\$30,784	\$10.87	\$16.76
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	1,120	1,230	110	9.8%	10	10	20	Short-term on-the-job training	\$34,675	\$12.66	\$18.68
43-4171	Receptionists and Information Clerks	8,080	9,320	1,240	15.3%	120	200	320	Short-term on-the-job training	\$24,846	\$9.03	\$13.40
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	550	540	-10	-1.8%	0	10	10	Short-term on-the-job training	\$29,133	\$10.12	\$15.95
43-4199	Information and Record Clerks, All Other	1,600	1,450	-150	-9.4%	0	30	30	Short-term on-the-job training	\$32,583	\$11.09	\$17.95
43-5011	Cargo and Freight Agents	370	440	70	18.9%	10	10	20	Moderate-term on-the-job training	\$30,814	\$9.79	\$17.32
43-5021	Couriers and Messengers	710	710	0	0.0%	<5	20	20	Short-term on-the-job training	\$21,330	\$6.99	\$11.89
43-5031	Police, Fire, and Ambulance Dispatchers	350	380	30	8.6%	<5	10	10	Moderate-term on-the-job training	\$38,641	\$14.96	\$20.39
43-5032	Dispatchers, Except Police, Fire, and Ambulance	940	950	10	1.1%	<5	20	20	Moderate-term on-the-job training	\$35,886	\$12.07	\$19.85
43-5041	Meter Readers, Utilities	210	180	-30	-14.3%	0	10	10	Short-term on-the-job training	\$37,432	\$10.09	\$21.95
43-5051	Postal Service Clerks	450	460	10	2.2%	<5	10	10	Short-term on-the-job training	\$44,254	\$20.49	\$21.67
43-5052	Postal Service Mail Carriers	2,500	2,520	20	0.8%	<5	70	70	Short-term on-the-job training	\$44,089	\$19.38	\$22.11
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	1,280	1,170	-110	-8.6%	0	10	10	Short-term on-the-job training	\$41,778	\$16.90	\$21.68
43-5061	Production, Planning, and Expediting Clerks	2,230	2,370	140	6.3%	10	60	70	Moderate-term on-the-job training	\$42,832	\$14.26	\$23.76
43-5071	Shipping, Receiving, and Traffic Clerks	5,430	5,660	230	4.2%	20	130	150	Short-term on-the-job training	\$28,538	\$9.84	\$15.66
43-5081	Stock Clerks and Order Fillers	9,570	8,700	-870	-9.1%	0	230	230	Short-term on-the-job training	\$21,781	\$7.44	\$11.99
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	480	420	-60	-12.5%	0	10	10	Short-term on-the-job training	\$26,534	\$9.06	\$14.60
43-6011	Executive Secretaries and Administrative Assistants	9,870	11,280	1,410	14.3%	140	160	300	Work experience in a related occupation	\$37,691	\$13.45	\$20.46
43-6012	Legal Secretaries	1,720	1,860	140	8.1%	10	30	40	Associate degree	\$36,173	\$12.44	\$19.86
43-6013	Medical Secretaries	1,540	1,840	300	19.5%	30	30	60	Moderate-term on-the-job training	\$28,547	\$9.78	\$15.70
43-6014	Secretaries, Except Legal, Medical, and Executive	12,420	12,420	0	0.0%	<5	200	200	Moderate-term on-the-job training	\$29,643	\$10.97	\$15.89
43-9011	Computer Operators	820	610	-210	-25.6%	0	10	10	Moderate-term on-the-job training	\$37,092	\$12.81	\$20.34
43-9021	Data Entry Keyers	2,460	2,380	-80	-3.3%	0	60	60	Moderate-term on-the-job training	\$25,051	\$9.39	\$13.37
43-9022	Word Processors and Typists	700	630	-70	-10.0%	0	10	10	Moderate-term on-the-job training	\$29,492	\$11.43	\$15.56
43-9031	Desktop Publishers	330	340	10	3.0%	<5	10	10	Postsecondary vocational training	\$35,908	\$10.81	\$20.49
43-9041	Insurance Claims and Policy Processing Clerks	2,200	2,250	50	2.3%	10	30	40	Moderate-term on-the-job training	\$31,164	\$12.18	\$16.38

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43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	1,260	1,110	-150	-11.9%	0	30	30	Short-term on-the-job training	\$24,680	\$9.01	\$13.30
43-9061	Office Clerks, General	14,960	16,800	1,840	12.3%	180	280	460	Short-term on-the-job training	\$24,753	\$8.21	\$13.74
43-9071	Office Machine Operators, Except Computer	470	430	-40	-8.5%	0	20	20	Short-term on-the-job training	\$25,124	\$8.76	\$13.74
43-9081	Proofreaders and Copy Markers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
43-9111	Statistical Assistants	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$40,301	\$15.64	\$21.24
43-9199	Office and Administrative Support Workers, All Other	1,590	1,440	-150	-9.4%	0	40	40	Short-term on-the-job training	\$28,328	\$8.78	\$16.04
45-0000	Farming, Fishing, and Forestry Occupations	740	850	110	14.9%	10	20	30		\$26,507	\$8.72	\$14.76
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
45-2011	Agricultural Inspectors	60	60	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$38,152	\$13.44	\$20.80
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
45-2041	Graders and Sorters, Agricultural Products	100	120	20	20.0%	<5	<5	<5	Work experience in a related occupation	\$20,842	\$6.95	\$11.55
45-2091	Agricultural Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	120	140	20	16.7%	<5	<5	<5	Short-term on-the-job training	\$19,508	\$7.68	\$10.23
45-2093	Farmworkers, Farm and Ranch Animals	190	230	40	21.1%	<5	10	10	Short-term on-the-job training	\$21,670	\$9.26	\$11.00
45-2099	Agricultural Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
45-3011	Fishers and Related Fishing Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4011	Forest and Conservation Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4022	Logging Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4023	Log Graders and Scalers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4029	Logging Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-0000	Construction and Extraction Occupations	29,540	32,410	2,870	9.7%	290	550	840		\$48,279	\$14.78	\$27.43
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	1,990	2,180	190	9.5%	20	30	50	Work experience in a related occupation	\$70,282	\$20.18	\$40.60
47-2011	Boilermakers	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$33,709	\$10.82	\$18.90
47-2021	Brickmasons and Blockmasons	580	640	60	10.3%	10	10	20	Long-term on-the-job training	\$54,052	\$20.27	\$28.84
47-2022	Stonemasons	110	120	10	9.1%	<5	<5	<5	Long-term on-the-job training	\$36,146	\$10.70	\$20.72
47-2031	Carpenters	5,060	5,670	610	12.1%	60	70	130	Long-term on-the-job training	\$45,691	\$15.14	\$25.38
47-2041	Carpet Installers	320	320	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$41,548	\$12.72	\$23.60
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	160	150	-10	-6.3%	0	<5	<5	Moderate-term on-the-job training	\$44,297	\$14.58	\$24.66
47-2043	Floor Sanders and Finishers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2044	Tile and Marble Setters	220	250	30	13.6%	<5	<5	<5	Long-term on-the-job training	\$42,655	\$14.15	\$23.69
47-2051	Cement Masons and Concrete Finishers	1,130	1,280	150	13.3%	20	30	50	Moderate-term on-the-job training	\$41,754	\$12.75	\$23.74
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2061	Construction Laborers	3,070	3,390	320	10.4%	30	20	50	Moderate-term on-the-job training	\$39,274	\$11.78	\$22.43
47-2071	Paving, Surfacing, and Tamping Equipment Operators	210	220	10	4.8%	<5	<5	<5	Moderate-term on-the-job training	\$43,144	\$17.51	\$22.36
47-2072	Pile-Driver Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*

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47-2073	Operating Engineers and Other Construction Equipment Operators	1,990	2,140	150	7.5%	20	40	60	Moderate-term on-the-job training	\$49,722	\$18.76	\$26.48
47-2081	Drywall and Ceiling Tile Installers	460	490	30	6.5%	<5	10	10	Moderate-term on-the-job training	\$44,045	\$16.18	\$23.67
47-2082	Tapers	270	280	10	3.7%	<5	<5	<5	Moderate-term on-the-job training	\$46,175	\$17.49	\$24.55
47-2111	Electricians	3,510	3,780	270	7.7%	30	90	120	Long-term on-the-job training	\$50,828	\$18.29	\$27.51
47-2121	Glaziers	200	210	10	5.0%	<5	<5	<5	Long-term on-the-job training	\$53,610	\$18.45	\$29.43
47-2131	Insulation Workers, Floor, Ceiling, and Wall	150	160	10	6.7%	<5	<5	<5	Moderate-term on-the-job training	\$37,893	\$14.98	\$19.84
47-2132	Insulation Workers, Mechanical	130	140	10	7.7%	<5	<5	<5	Moderate-term on-the-job training	\$48,470	\$14.27	\$27.82
47-2141	Painters, Construction and Maintenance	1,230	1,360	130	10.6%	10	20	30	Moderate-term on-the-job training	\$35,767	\$9.59	\$21.00
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2151	Pipelayers	130	140	10	7.7%	<5	<5	<5	Moderate-term on-the-job training	\$54,412	\$22.17	\$28.15
47-2152	Plumbers, Pipefitters, and Steamfitters	2,590	2,890	300	11.6%	30	50	80	Long-term on-the-job training	\$61,219	\$21.65	\$33.32
47-2161	Plasterers and Stucco Masons	210	230	20	9.5%	<5	10	10	Long-term on-the-job training	\$47,452	\$16.91	\$25.77
47-2171	Reinforcing Iron and Rebar Workers	120	130	10	8.3%	<5	<5	<5	Long-term on-the-job training	\$45,601	\$18.41	\$23.68
47-2181	Roofers	690	800	110	15.9%	10	20	30	Moderate-term on-the-job training	\$37,893	\$12.15	\$21.25
47-2211	Sheet Metal Workers	1,070	1,150	80	7.5%	10	30	40	Long-term on-the-job training	\$52,088	\$16.89	\$29.12
47-2221	Structural Iron and Steel Workers	350	380	30	8.6%	<5	10	10	Long-term on-the-job training	\$52,293	\$21.50	\$26.96
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
47-3012	Helpers--Carpenters	280	310	30	10.7%	<5	10	10	Short-term on-the-job training	\$25,101	\$9.86	\$13.17
47-3013	Helpers--Electricians	250	260	10	4.0%	<5	10	10	Short-term on-the-job training	\$24,247	\$9.80	\$12.59
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	220	250	30	13.6%	<5	10	10	Short-term on-the-job training	\$29,477	\$11.28	\$15.62
47-3016	Helpers--Roofers	60	60	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$27,171	\$10.92	\$14.13
47-3019	Helpers, Construction Trades, All Other	60	70	10	16.7%	<5	<5	<5	Short-term on-the-job training	\$22,323	\$8.90	\$11.65
47-4011	Construction and Building Inspectors	350	400	50	14.3%	10	10	20	Work experience in a related occupation	\$52,911	\$17.99	\$29.16
47-4021	Elevator Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-4031	Fence Erectors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-4041	Hazardous Materials Removal Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-4051	Highway Maintenance Workers	1,190	1,250	60	5.0%	10	20	30	Moderate-term on-the-job training	\$42,283	\$16.86	\$22.06
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	200	220	20	10.0%	<5	<5	<5	Moderate-term on-the-job training	\$37,886	\$14.01	\$20.31
47-4099	Construction and Related Workers, All Other	240	260	20	8.3%	<5	10	10	Moderate-term on-the-job training	\$38,315	\$13.21	\$21.02
47-5012	Rotary Drill Operators, Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-5021	Earth Drillers, Except Oil and Gas	150	160	10	6.7%	<5	10	10	Moderate-term on-the-job training	\$35,179	\$15.96	\$17.39
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-5041	Continuous Mining Machine Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-5042	Mine Cutting and Channeling Machine Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-5051	Rock Splitters, Quarry	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*

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47-5081	Helpers--Extraction Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
47-5099	Extraction Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-0000	Installation, Maintenance, and Repair Occupations	29,990	32,250	2,260	7.5%	230	490	720		\$42,326	\$12.90	\$24.07
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	2,350	2,490	140	6.0%	10	60	70	Work experience in a related occupation	\$62,861	\$20.82	\$34.92
49-2011	Computer, Automated Teller, and Office Machine Repairers	810	850	40	4.9%	<5	10	10	Postsecondary vocational training	\$38,829	\$13.73	\$21.14
49-2021	Radio Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	790	700	-90	-11.4%	0	20	20	Postsecondary vocational training	\$49,747	\$20.67	\$25.54
49-2091	Avionics Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2092	Electric Motor, Power Tool, and Related Repairers	180	180	0	0.0%	<5	10	10	Postsecondary vocational training	\$38,481	\$13.57	\$20.97
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	580	640	60	10.3%	10	20	30	Postsecondary vocational training	\$46,800	\$17.34	\$25.08
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	110	120	10	9.1%	<5	<5	<5	Postsecondary vocational training	\$33,506	\$11.86	\$18.23
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	230	230	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$35,909	\$12.80	\$19.50
49-2098	Security and Fire Alarm Systems Installers	230	270	40	17.4%	<5	<5	<5	Postsecondary vocational training	\$41,073	\$13.03	\$23.10
49-3011	Aircraft Mechanics and Service Technicians	550	590	40	7.3%	<5	10	10	Postsecondary vocational training	\$50,956	\$17.87	\$27.81
49-3021	Automotive Body and Related Repairers	900	930	30	3.3%	<5	20	20	Long-term on-the-job training	\$39,204	\$12.13	\$22.20
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3023	Automotive Service Technicians and Mechanics	3,420	3,770	350	10.2%	40	70	110	Postsecondary vocational training	\$38,045	\$10.81	\$22.03
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,380	1,540	160	11.6%	20	30	50	Postsecondary vocational training	\$43,211	\$15.60	\$23.36
49-3041	Farm Equipment Mechanics	610	640	30	4.9%	<5	10	10	Long-term on-the-job training	\$29,418	\$10.48	\$15.98
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	660	770	110	16.7%	10	10	20	Long-term on-the-job training	\$48,072	\$18.33	\$25.50
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3051	Motorboat Mechanics	150	150	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$29,984	\$8.10	\$17.57
49-3052	Motorcycle Mechanics	110	110	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$32,688	\$11.79	\$17.68
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	370	370	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$28,779	\$7.97	\$16.77
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-3092	Recreational Vehicle Service Technicians	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$26,491	\$7.97	\$15.12
49-3093	Tire Repairers and Changers	370	440	70	18.9%	10	10	20	Short-term on-the-job training	\$21,527	\$8.45	\$11.30
49-9011	Mechanical Door Repairers	110	120	10	9.1%	<5	<5	<5	Moderate-term on-the-job training	\$39,582	\$14.94	\$21.08
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	310	300	-10	-3.2%	0	10	10	Moderate-term on-the-job training	\$44,132	\$16.34	\$23.66

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49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,370	1,520	150	10.9%	20	20	40	Long-term on-the-job training	\$46,797	\$13.21	\$27.14
49-9031	Home Appliance Repairers	280	280	0	0.0%	<5	10	10	Long-term on-the-job training	\$35,709	\$13.61	\$18.95
49-9041	Industrial Machinery Mechanics	1,950	2,260	310	15.9%	30	30	60	Long-term on-the-job training	\$46,826	\$17.73	\$24.90
49-9042	Maintenance and Repair Workers, General	7,080	7,590	510	7.2%	50	20	70	Long-term on-the-job training	\$36,924	\$12.60	\$20.33
49-9043	Maintenance Workers, Machinery	510	510	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$36,102	\$11.93	\$20.07
49-9044	Millwrights	410	450	40	9.8%	<5	10	10	Long-term on-the-job training	\$53,497	\$20.97	\$28.09
49-9045	Refractory Materials Repairers, Except Brickmasons	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
49-9051	Electrical Power-Line Installers and Repairers	520	560	40	7.7%	<5	20	20	Long-term on-the-job training	\$59,429	\$23.96	\$30.88
49-9052	Telecommunications Line Installers and Repairers	*	*	*	*	<5	20	20	Long-term on-the-job training	*	*	*
49-9061	Camera and Photographic Equipment Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9062	Medical Equipment Repairers	220	280	60	27.3%	10	10	20	Associate degree	\$47,021	\$16.34	\$25.74
49-9063	Musical Instrument Repairers and Tuners	70	70	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$23,661	\$9.79	\$12.17
49-9069	Precision Instrument and Equipment Repairers, All Other	120	130	10	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$40,793	\$15.71	\$21.57
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	330	310	-20	-6.1%	0	10	10	Moderate-term on-the-job training	\$34,794	\$12.28	\$18.95
49-9092	Commercial Divers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-9093	Fabric Menders, Except Garment	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9094	Locksmiths and Safe Repairers	80	100	20	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$35,949	\$14.25	\$18.80
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
49-9097	Signal and Track Switch Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9098	Helpers--Installation, Maintenance, and Repair Workers	680	730	50	7.4%	10	20	30	Short-term on-the-job training	\$24,439	\$8.36	\$13.45
49-9099	Installation, Maintenance, and Repair Workers, All Other	750	820	70	9.3%	10	10	20	Moderate-term on-the-job training	\$35,439	\$11.09	\$20.01
51-0000	Production Occupations	97,010	99,010	2,000	2.1%	200	1,870	2,070		\$32,877	\$9.89	\$18.76
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	5,930	6,000	70	1.2%	10	100	110	Work experience in a related occupation	\$55,198	\$17.65	\$30.98
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-2021	Coil Winders, Tapers, and Finishers	390	300	-90	-23.1%	0	10	10	Short-term on-the-job training	\$26,238	\$10.07	\$13.88
51-2022	Electrical and Electronic Equipment Assemblers	2,730	2,130	-600	-22.0%	0	50	50	Short-term on-the-job training	\$30,205	\$9.68	\$16.95
51-2023	Electromechanical Equipment Assemblers	640	620	-20	-3.1%	0	10	10	Short-term on-the-job training	\$27,864	\$10.25	\$14.97
51-2031	Engine and Other Machine Assemblers	670	630	-40	-6.0%	0	20	20	Short-term on-the-job training	\$37,784	\$12.69	\$20.90
51-2041	Structural Metal Fabricators and Fitters	810	830	20	2.5%	<5	10	10	Moderate-term on-the-job training	\$35,141	\$14.35	\$18.17
51-2091	Fiberglass Laminators and Fabricators	90	90	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,700	\$10.29	\$13.39
51-2092	Team Assemblers	11,780	12,390	610	5.2%	60	250	310	Moderate-term on-the-job training	\$27,439	\$9.51	\$15.03
51-2093	Timing Device Assemblers, Adjusters, and Calibrators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-2099	Assemblers and Fabricators, All Other	2,310	2,230	-80	-3.5%	0	50	50	Moderate-term on-the-job training	\$27,857	\$8.59	\$15.79
51-3011	Bakers	1,000	1,090	90	9.0%	10	20	30	Long-term on-the-job training	\$23,961	\$8.40	\$13.08
51-3021	Butchers and Meat Cutters	800	820	20	2.5%	<5	30	30	Long-term on-the-job training	\$34,425	\$11.26	\$19.19
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	350	390	40	11.4%	<5	10	10	Short-term on-the-job training	\$23,272	\$9.73	\$11.92

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51-3023	Slaughterers and Meat Packers	*	*	*	*	10	20	30	Moderate-term on-the-job training	*	*	*
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	90	100	10	11.1%	<5	<5	<5	Short-term on-the-job training	\$21,148	\$7.72	\$11.39
51-3092	Food Batchmakers	560	620	60	10.7%	10	10	20	Short-term on-the-job training	\$29,368	\$9.40	\$16.48
51-3093	Food Cooking Machine Operators and Tenders	340	330	-10	-2.9%	0	10	10	Short-term on-the-job training	\$25,759	\$8.57	\$14.29
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	3,070	3,260	190	6.2%	20	40	60	Moderate-term on-the-job training	\$35,360	\$11.81	\$19.59
51-4012	Numerical Tool and Process Control Programmers	260	260	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$48,543	\$17.97	\$26.02
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	590	610	20	3.4%	<5	20	20	Moderate-term on-the-job training	\$30,553	\$10.26	\$16.91
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	570	510	-60	-10.5%	0	20	20	Moderate-term on-the-job training	\$33,043	\$9.14	\$19.26
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	160	160	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$36,550	\$15.05	\$18.83
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	3,810	3,530	-280	-7.3%	0	90	90	Moderate-term on-the-job training	\$29,625	\$10.02	\$16.35
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	770	690	-80	-10.4%	0	20	20	Moderate-term on-the-job training	\$35,707	\$11.69	\$19.90
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,720	1,620	-100	-5.8%	0	20	20	Moderate-term on-the-job training	\$32,417	\$11.01	\$17.87
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,010	880	-130	-12.9%	0	20	20	Moderate-term on-the-job training	\$33,277	\$11.91	\$18.04
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	380	330	-50	-13.2%	0	<5	<5	Moderate-term on-the-job training	\$33,756	\$11.99	\$18.35
51-4041	Machinists	4,800	5,130	330	6.9%	30	70	100	Long-term on-the-job training	\$37,130	\$12.83	\$20.36
51-4051	Metal-Refining Furnace Operators and Tenders	210	210	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$35,110	\$12.48	\$19.08
51-4052	Pourers and Casters, Metal	270	300	30	11.1%	<5	<5	<5	Moderate-term on-the-job training	\$30,439	\$10.87	\$16.52
51-4061	Model Makers, Metal and Plastic	140	140	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$50,056	\$17.36	\$27.42
51-4062	Patternmakers, Metal and Plastic	150	150	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$39,856	\$13.51	\$21.99
51-4071	Foundry Mold and Coremakers	560	510	-50	-8.9%	0	10	10	Moderate-term on-the-job training	\$28,129	\$8.70	\$15.93
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	2,190	2,120	-70	-3.2%	0	50	50	Moderate-term on-the-job training	\$29,187	\$10.12	\$15.99
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,590	1,740	150	9.4%	20	30	50	Moderate-term on-the-job training	\$38,839	\$12.41	\$21.80
51-4111	Tool and Die Makers	1,590	1,540	-50	-3.1%	0	20	20	Long-term on-the-job training	\$48,439	\$18.05	\$25.91
51-4121	Welders, Cutters, Solderers, and Brazers	3,070	3,300	230	7.5%	20	70	90	Postsecondary vocational training	\$34,354	\$12.34	\$18.60
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	730	820	90	12.3%	10	20	30	Postsecondary vocational training	\$30,025	\$10.45	\$16.43
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	320	320	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$31,715	\$10.78	\$17.48
51-4192	Lay-Out Workers, Metal and Plastic	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*

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51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	450	480	30	6.7%	<5	10	10	Moderate-term on-the-job training	\$29,372	\$10.03	\$16.17
51-4194	Tool Grinders, Filers, and Sharpeners	370	310	-60	-16.2%	0	10	10	Moderate-term on-the-job training	\$36,103	\$13.88	\$19.10
51-4199	Metal Workers and Plastic Workers, All Other	420	330	-90	-21.4%	0	10	10	Moderate-term on-the-job training	\$43,021	\$12.76	\$24.64
51-5011	Bindery Workers	2,130	2,280	150	7.0%	20	30	50	Moderate-term on-the-job training	\$28,542	\$9.64	\$15.76
51-5012	Bookbinders	150	160	10	6.7%	<5	<5	<5	Moderate-term on-the-job training	\$35,546	\$9.87	\$20.70
51-5021	Job Printers	720	730	10	1.4%	<5	10	10	Long-term on-the-job training	\$40,918	\$14.03	\$22.49
51-5022	Prepress Technicians and Workers	1,030	930	-100	-9.7%	0	20	20	Postsecondary vocational training	\$38,734	\$12.57	\$21.65
51-5023	Printing Machine Operators	2,610	2,890	280	10.7%	30	60	90	Moderate-term on-the-job training	\$33,757	\$9.98	\$19.35
51-6011	Laundry and Dry-Cleaning Workers	1,240	1,310	70	5.6%	10	30	40	Moderate-term on-the-job training	\$19,767	\$6.78	\$10.86
51-6021	Pressers, Textile, Garment, and Related Materials	220	220	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$20,121	\$7.69	\$10.67
51-6031	Sewing Machine Operators	690	660	-30	-4.3%	0	10	10	Moderate-term on-the-job training	\$22,123	\$8.44	\$11.73
51-6041	Shoe and Leather Workers and Repairers	*	*	*	*	0	<5	<5	Long-term on-the-job training	*	*	*
51-6042	Shoe Machine Operators and Tenders	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-6051	Sewers, Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-6052	Tailors, Dressmakers, and Custom Sewers	210	210	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$25,442	\$8.19	\$14.25
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	70	70	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,997	\$9.56	\$14.69
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$23,905	\$8.60	\$12.94
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$68,857	\$9.60	\$44.86
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-6092	Fabric and Apparel Patternmakers	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$30,367	\$9.77	\$17.02
51-6093	Upholsterers	100	90	-10	-10.0%	0	<5	<5	Long-term on-the-job training	\$28,499	\$11.40	\$14.85
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	<5	10	10	Short-term on-the-job training	*	*	*
51-7011	Cabinetmakers and Bench Carpenters	350	400	50	14.3%	10	10	20	Long-term on-the-job training	\$33,040	\$11.92	\$17.87
51-7021	Furniture Finishers	50	60	10	20.0%	<5	<5	<5	Long-term on-the-job training	\$36,297	\$12.35	\$20.00
51-7031	Model Makers, Wood	*	*	*	*	0	<5	<5	Long-term on-the-job training	*	*	*
51-7032	Patternmakers, Wood	*	*	*	*	0	<5	<5	Long-term on-the-job training	*	*	*
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	100	120	20	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$23,705	\$7.29	\$13.45
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	290	340	50	17.2%	10	10	20	Moderate-term on-the-job training	\$25,790	\$8.57	\$14.31
51-7099	Woodworkers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-8011	Nuclear Power Reactor Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8012	Power Distributors and Dispatchers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8013	Power Plant Operators	*	*	*	*	<5	10	10	Long-term on-the-job training	*	*	*
51-8021	Stationary Engineers and Boiler Operators	170	190	20	11.8%	<5	<5	<5	Long-term on-the-job training	\$42,714	\$17.31	\$22.15

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51-8031	Water and Liquid Waste Treatment Plant and System Operators	560	590	30	5.4%	<5	10	10	Long-term on-the-job training	\$45,907	\$17.70	\$24.26
51-8091	Chemical Plant and System Operators	100	100	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$39,403	\$12.92	\$21.95
51-8092	Gas Plant Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8099	Plant and System Operators, All Other	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$51,573	\$22.16	\$26.11
51-9011	Chemical Equipment Operators and Tenders	300	320	20	6.7%	<5	10	10	Moderate-term on-the-job training	\$36,488	\$14.18	\$19.22
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	440	470	30	6.8%	<5	10	10	Moderate-term on-the-job training	\$37,689	\$14.23	\$20.06
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	290	260	-30	-10.3%	0	10	10	Moderate-term on-the-job training	\$28,131	\$9.85	\$15.36
51-9022	Grinding and Polishing Workers, Hand	480	460	-20	-4.2%	0	10	10	Moderate-term on-the-job training	\$30,806	\$10.25	\$17.09
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	980	1,020	40	4.1%	<5	20	20	Moderate-term on-the-job training	\$35,571	\$11.91	\$19.70
51-9031	Cutters and Trimmers, Hand	180	210	30	16.7%	<5	<5	<5	Short-term on-the-job training	\$23,848	\$8.43	\$12.98
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	1,020	1,080	60	5.9%	10	20	30	Moderate-term on-the-job training	\$34,090	\$10.88	\$19.14
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	370	370	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$24,512	\$8.71	\$13.32
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	110	110	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$21,642	\$6.49	\$12.36
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	7,540	8,280	740	9.8%	70	110	180	Moderate-term on-the-job training	\$29,012	\$8.54	\$16.65
51-9071	Jewelers and Precious Stone and Metal Workers	130	130	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$40,556	\$14.93	\$21.78
51-9081	Dental Laboratory Technicians	440	510	70	15.9%	10	10	20	Long-term on-the-job training	\$40,693	\$12.25	\$23.22
51-9082	Medical Appliance Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-9083	Ophthalmic Laboratory Technicians	240	260	20	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$25,473	\$9.26	\$13.74
51-9111	Packaging and Filling Machine Operators and Tenders	3,450	3,500	50	1.4%	10	60	70	Short-term on-the-job training	\$24,740	\$8.45	\$13.62
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1,310	1,250	-60	-4.6%	0	30	30	Moderate-term on-the-job training	\$34,026	\$11.89	\$18.59
51-9122	Painters, Transportation Equipment	250	260	10	4.0%	<5	10	10	Moderate-term on-the-job training	\$45,913	\$13.10	\$26.56
51-9123	Painting, Coating, and Decorating Workers	240	260	20	8.3%	<5	10	10	Short-term on-the-job training	\$25,119	\$9.38	\$13.42
51-9131	Photographic Process Workers	140	80	-60	-42.9%	0	10	10	Moderate-term on-the-job training	\$27,936	\$9.55	\$15.37
51-9132	Photographic Processing Machine Operators	260	120	-140	-53.8%	0	10	10	Short-term on-the-job training	\$19,770	\$7.40	\$10.56
51-9141	Semiconductor Processors	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
51-9191	Cementing and Gluing Machine Operators and Tenders	80	80	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,855	\$11.28	\$15.89
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	70	70	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,626	\$8.86	\$16.93
51-9193	Cooling and Freezing Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9194	Etchers and Engravers	70	70	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$45,321	\$10.92	\$27.22
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	360	360	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$30,356	\$11.25	\$16.27

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51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,070	1,080	10	0.9%	<5	30	30	Moderate-term on-the-job training	\$31,199	\$10.63	\$17.18
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9198	Helpers--Production Workers	3,840	4,120	280	7.3%	30	90	120	Short-term on-the-job training	\$22,575	\$7.36	\$12.60
51-9199	Production Workers, All Other	2,750	3,000	250	9.1%	30	60	90	Moderate-term on-the-job training	\$35,257	\$10.81	\$20.02
53-0000	Transportation and Material Moving Occupations	59,440	62,030	2,590	4.4%	260	1,310	1,570		\$29,751	\$8.38	\$17.26
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	1,130	1,270	140	12.4%	10	20	30	Work experience in a related occupation	\$45,288	\$14.91	\$25.20
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	1,220	1,340	120	9.8%	10	30	40	Work experience in a related occupation	\$58,108	\$16.65	\$33.58
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	10	10	20	Bachelor's degree	*	*	*
53-2012	Commercial Pilots	*	*	*	*	<5	10	10	Postsecondary vocational training	*	*	*
53-2021	Air Traffic Controllers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
53-2022	Airfield Operations Specialists	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	100	130	30	30.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,213	\$8.58	\$11.73
53-3021	Bus Drivers, Transit and Intercity	*	*	*	*	30	20	50	Moderate-term on-the-job training	*	*	*
53-3022	Bus Drivers, School	2,920	3,230	310	10.6%	30	40	70	Moderate-term on-the-job training	\$24,081	\$9.97	\$12.38
53-3031	Driver/Sales Workers	1,990	1,850	-140	-7.0%	0	40	40	Short-term on-the-job training	\$21,424	\$6.47	\$12.21
53-3032	Truck Drivers, Heavy and Tractor-Trailer	10,550	11,750	1,200	11.4%	120	190	310	Moderate-term on-the-job training	\$37,915	\$13.60	\$20.54
53-3033	Truck Drivers, Light or Delivery Services	6,020	6,540	520	8.6%	50	110	160	Short-term on-the-job training	\$26,806	\$8.39	\$15.14
53-3041	Taxi Drivers and Chauffeurs	1,080	1,210	130	12.0%	10	10	20	Short-term on-the-job training	\$21,282	\$7.60	\$11.55
53-3099	Motor Vehicle Operators, All Other	630	680	50	7.9%	10	10	20	Short-term on-the-job training	\$18,768	\$6.53	\$10.27
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
53-4021	Railroad Brake, Signal, and Switch Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-4099	Rail Transportation Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-5011	Sailors and Marine Oilers	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$27,101	\$7.83	\$15.63
53-5021	Captains, Mates, and Pilots of Water Vessels	40	50	10	25.0%	<5	<5	<5	Work experience in a related occupation	\$32,319	\$9.97	\$18.32
53-5022	Motorboat Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-5031	Ship Engineers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
53-6011	Bridge and Lock Tenders	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
53-6021	Parking Lot Attendants	570	560	-10	-1.8%	0	20	20	Short-term on-the-job training	\$17,567	\$6.91	\$9.21
53-6031	Service Station Attendants	290	360	70	24.1%	10	10	20	Short-term on-the-job training	\$18,885	\$7.54	\$9.85
53-6041	Traffic Technicians	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
53-6051	Transportation Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
53-6099	Transportation Workers, All Other	170	190	20	11.8%	<5	<5	<5	Short-term on-the-job training	\$16,383	\$6.38	\$8.62
53-7011	Conveyor Operators and Tenders	250	250	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$25,944	\$8.83	\$14.29
53-7021	Crane and Tower Operators	230	250	20	8.7%	<5	<5	<5	Long-term on-the-job training	\$40,558	\$13.38	\$22.56
53-7031	Dredge Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7032	Excavating and Loading Machine and Dragline Operators	170	190	20	11.8%	<5	<5	<5	Moderate-term on-the-job training	\$36,865	\$13.45	\$19.86
53-7033	Loading Machine Operators, Underground Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*

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53-7041	Hoist and Winch Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7051	Industrial Truck and Tractor Operators	3,750	3,710	-40	-1.1%	0	100	100	Short-term on-the-job training	\$31,612	\$10.88	\$17.35
53-7061	Cleaners of Vehicles and Equipment	2,090	2,250	160	7.7%	20	80	100	Short-term on-the-job training	\$19,757	\$6.67	\$10.91
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	14,860	15,050	190	1.3%	20	480	500	Short-term on-the-job training	\$25,287	\$8.36	\$14.06
53-7063	Machine Feeders and Offbearers	1,140	1,040	-100	-8.8%	0	20	20	Short-term on-the-job training	\$27,087	\$9.64	\$14.72
53-7064	Packers and Packagers, Hand	6,960	6,370	-590	-8.5%	0	90	90	Short-term on-the-job training	\$21,733	\$6.95	\$12.20
53-7071	Gas Compressor and Gas Pumping Station Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7072	Pump Operators, Except Wellhead Pumpers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7081	Refuse and Recyclable Material Collectors	*	*	*	*	<5	10	10	Short-term on-the-job training	*	*	*
53-7111	Shuttle Car Operators	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7199	Material Moving Workers, All Other	*	*	*	*	0	10	10	Moderate-term on-the-job training	*	*	*

See notes on the last page.

Notes:

- (1) **Employment** is a count of jobs rather than people, and includes all part- and full-time nonfarm jobs. Employment does not include jobs among self-employed, unpaid family workers, or railroad workers. Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total openings** are the sum of new jobs and replacements. Total openings are an indication of how many new people are needed to enter a given occupation.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.
Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
Associate Degree: This degree requires two years of full-time academic work beyond high school.
Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.
Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.
Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.
First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.
Bachelor's or higher degree, plus work experience: These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.

- (5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) **Entry Level Wage** is the average of the lower third of wages.
- (7) **Experienced Wage** is the average of the upper two-thirds of wages.
- (8) Either a bachelor's or an associate degree is accepted in this occupation. It depends on the specifics of the position and the employer.

* Information is not available.

Information is derived using the 2006 OES Survey, 2006 QCEW and 2006 CES data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2006 to 2016. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, November 2008

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