

WDA 5 Bay Area Occupational Projections, 2006-2016

(Brown, Door, Florence, Kewaunee, Manitowoc, Marinette, Menominee, Oconto, Shawano, and Sheboygan 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	308,710	330,340	21,630	7.0%	2,160	6,970	9,130		\$34,971	\$8.59	\$20.93
11-0000	Management Occupations	10,590	10,920	330	3.1%	30	240	270		\$83,901	\$20.00	\$50.51
11-1011	Chief Executives	460	450	-10	-2.2%	0	10	10	Bachelor's or higher degree, plus work experience	\$138,584	\$36.59	\$81.64
11-1021	General and Operations Managers	2,910	2,820	-90	-3.1%	0	70	70	Bachelor's or higher degree, plus work experience	\$100,504	\$24.85	\$60.05
11-1031	Legislators	690	650	-40	-5.8%	0	10	10	Bachelor's or higher degree, plus work experience	\$20,674	*	*
11-2011	Advertising and Promotions Managers	40	40	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$74,359	\$19.63	\$43.81
11-2021	Marketing Managers	140	160	20	14.3%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$88,235	\$24.70	\$51.28
11-2022	Sales Managers	540	580	40	7.4%	<5	10	10	Bachelor's or higher degree, plus work experience	\$92,488	\$23.55	\$54.93
11-2031	Public Relations Managers	50	60	10	20.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$76,220	\$22.57	\$43.68
11-3011	Administrative Services Managers	290	310	20	6.9%	<5	10	10	Bachelor's or higher degree, plus work experience	\$66,164	\$19.24	\$38.09
11-3021	Computer and Information Systems Managers	360	400	40	11.1%	<5	10	10	Bachelor's or higher degree, plus work experience	\$95,860	\$32.05	\$53.11
11-3031	Financial Managers	600	630	30	5.0%	<5	10	10	Bachelor's or higher degree, plus work experience	\$105,336	\$29.68	\$61.12
11-3041	Compensation and Benefits Managers	80	80	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$77,844	\$22.32	\$44.98
11-3042	Training and Development Managers	40	50	10	25.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$80,483	\$23.34	\$46.37
11-3049	Human Resources Managers, All Other	90	100	10	11.1%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$90,724	\$31.88	\$49.48
11-3051	Industrial Production Managers	700	700	0	0.0%	<5	20	20	Bachelor's or higher degree, plus work experience	\$77,257	\$23.37	\$44.03
11-3061	Purchasing Managers	150	150	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$72,399	\$25.57	\$39.43
11-3071	Transportation, Storage, and Distribution Managers	190	210	20	10.5%	<5	10	10	Work experience in a related occupation	\$73,803	\$22.51	\$41.97
11-9011	Farm, Ranch, and Other Agricultural Managers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
11-9021	Construction Managers	260	300	40	15.4%	<5	<5	<5	Bachelor's degree	\$80,041	\$28.09	\$43.68
11-9031	Education Administrators, Preschool and Child Care Center/Program	90	100	10	11.1%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$41,058	\$12.69	\$23.27
11-9032	Education Administrators, Elementary and Secondary School	350	350	0	0.0%	<5	10	10	Bachelor's or higher degree, plus work experience	\$80,909	*	*
11-9033	Education Administrators, Postsecondary	290	310	20	6.9%	<5	10	10	Bachelor's or higher degree, plus work experience	\$73,555	\$21.95	\$42.07
11-9039	Education Administrators, All Other	40	50	10	25.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$61,092	\$20.14	\$33.99
11-9041	Engineering Managers	370	380	10	2.7%	<5	10	10	Bachelor's or higher degree, plus work experience	\$86,364	\$31.72	\$46.42
11-9051	Food Service Managers	410	430	20	4.9%	<5	10	10	Work experience in a related occupation	\$41,777	\$13.45	\$23.40
11-9061	Funeral Directors	90	100	10	11.1%	<5	<5	<5	Associate degree	\$43,135	\$12.46	\$24.88
11-9071	Gaming Managers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
11-9081	Lodging Managers	60	80	20	33.3%	<5	<5	<5	Work experience in a related occupation	\$51,185	\$13.80	\$30.01
11-9111	Medical and Health Services Managers	390	460	70	17.9%	10	10	20	Bachelor's or higher degree, plus work experience	\$73,614	\$25.59	\$40.29
11-9121	Natural Sciences Managers	20	20	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$75,452	\$28.76	\$40.03
11-9131	Postmasters and Mail Superintendents	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*

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⁾
11-9141	Property, Real Estate, and Community Association Managers	60	80	20	33.3%	<5	<5	<5	Bachelor's degree	\$73,019	\$24.88	\$40.22
11-9151	Social and Community Service Managers	180	200	20	11.1%	<5	<5	<5	Bachelor's degree	\$60,276	\$21.25	\$32.84
11-9199	Managers, All Other	570	610	40	7.0%	<5	10	10	Work experience in a related occupation	\$78,552	\$21.88	\$45.71
13-0000	Business and Financial Operations Occupations	10,830	12,220	1,390	12.8%	140	190	330		\$51,914	\$14.76	\$30.06
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	60	50	-10	-16.7%	0	<5	<5	Long-term on-the-job training	\$47,361	\$15.77	\$26.27
13-1022	Wholesale and Retail Buyers, Except Farm Products	220	210	-10	-4.5%	0	10	10	Bachelor's degree	\$45,201	\$12.42	\$26.39
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	820	840	20	2.4%	<5	20	20	Bachelor's degree	\$48,250	\$15.38	\$27.11
13-1031	Claims Adjusters, Examiners, and Investigators	580	640	60	10.3%	10	20	30	Long-term on-the-job training	\$49,647	\$16.19	\$27.71
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	250	260	10	4.0%	<5	<5	<5	Long-term on-the-job training	\$44,816	\$14.20	\$25.22
13-1051	Cost Estimators	600	680	80	13.3%	10	10	20	Bachelor's degree	\$50,780	\$15.66	\$28.79
13-1061	Emergency Management Specialists	40	40	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$51,205	\$18.20	\$27.83
13-1071	Employment, Recruitment, and Placement Specialists	270	320	50	18.5%	10	10	20	Bachelor's degree	\$42,714	\$12.43	\$24.59
13-1072	Compensation, Benefits, and Job Analysis Specialists	210	240	30	14.3%	<5	10	10	Bachelor's degree	\$48,081	\$15.25	\$27.05
13-1073	Training and Development Specialists	350	390	40	11.4%	<5	10	10	Bachelor's or higher degree, plus work experience	\$44,191	\$14.31	\$24.71
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	700	760	60	8.6%	10	20	30	Bachelor's degree	\$36,641	\$6.64	\$23.10
13-1081	Logisticians	130	150	20	15.4%	<5	<5	<5	Bachelor's degree	\$59,351	\$20.30	\$32.65
13-1111	Management Analysts	470	520	50	10.6%	10	10	20	Bachelor's or higher degree, plus work experience	\$55,306	\$17.78	\$30.99
13-1121	Meeting and Convention Planners	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$36,775	\$11.96	\$20.54
13-1199	Business Operations Specialists, All Other	1,950	2,330	380	19.5%	40	20	60	Bachelor's degree	\$53,151	\$13.52	\$31.57
13-2011	Accountants and Auditors	2,200	2,530	330	15.0%	30	40	70	Bachelor's degree	\$53,817	\$18.27	\$29.68
13-2021	Appraisers and Assessors of Real Estate	120	130	10	8.3%	<5	<5	<5	Bachelor's degree	\$43,524	\$14.09	\$24.34
13-2031	Budget Analysts	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$51,347	\$18.01	\$28.02
13-2041	Credit Analysts	90	90	0	0.0%	<5	<5	<5	Bachelor's degree	\$40,905	\$15.00	\$22.00
13-2051	Financial Analysts	140	170	30	21.4%	<5	<5	<5	Bachelor's degree	\$61,855	\$19.50	\$34.86
13-2052	Personal Financial Advisors	170	230	60	35.3%	10	<5	10	Bachelor's degree	\$77,272	\$14.80	\$48.33
13-2053	Insurance Underwriters	290	310	20	6.9%	<5	10	10	Bachelor's degree	\$44,273	\$15.23	\$24.31
13-2061	Financial Examiners	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
13-2071	Loan Counselors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
13-2072	Loan Officers	660	760	100	15.2%	10	10	20	Bachelor's degree	\$75,956	\$18.63	\$45.46
13-2081	Tax Examiners, Collectors, and Revenue Agents	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$61,827	\$20.00	\$34.59
13-2082	Tax Preparers	180	170	-10	-5.6%	0	<5	<5	Moderate-term on-the-job training	\$34,750	\$11.82	\$19.15
13-2099	Financial Specialists, All Other	120	140	20	16.7%	<5	<5	<5	Bachelor's degree	\$44,204	\$15.97	\$23.89

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15-0000	Computer and Mathematical Occupations	4,040	4,760	720	17.8%	70	90	160		\$56,721	\$17.40	\$32.21
15-1011	Computer and Information Scientists, Research	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
15-1021	Computer Programmers	490	420	-70	-14.3%	0	10	10	Bachelor's degree	\$62,108	\$20.77	\$34.40
15-1031	Computer Software Engineers, Applications	640	850	210	32.8%	20	10	30	Bachelor's degree	\$71,892	\$25.67	\$39.01
15-1032	Computer Software Engineers, Systems Software	180	220	40	22.2%	<5	<5	<5	Bachelor's degree	\$62,083	\$20.08	\$34.73
15-1041	Computer Support Specialists	700	760	60	8.6%	10	20	30	Associate degree	\$40,615	\$14.17	\$22.20
15-1051	Computer Systems Analysts	880	1,050	170	19.3%	20	20	40	Bachelor's degree	\$54,601	\$18.16	\$30.30
15-1061	Database Administrators	120	150	30	25.0%	<5	<5	<5	Bachelor's degree	\$54,985	\$19.69	\$29.81
15-1071	Network and Computer Systems Administrators	470	560	90	19.1%	10	10	20	Bachelor's degree	\$53,737	\$18.24	\$29.63
15-1081	Network Systems and Data Communications Analysts	320	470	150	46.9%	20	10	30	Bachelor's degree	\$65,254	\$19.73	\$37.19
15-1099	Computer Specialists, All Other	90	100	10	11.1%	<5	<5	<5	Associate degree	\$43,884	\$14.74	\$24.28
15-2011	Actuaries	70	80	10	14.3%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$73,917	\$18.99	\$43.81
15-2021	Mathematicians	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
15-2031	Operations Research Analysts	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
15-2041	Statisticians	*	*	*	*	<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	5,160	5,520	360	7.0%	40	120	160		\$55,392	\$17.79	\$31.05
17-1011	Architects, Except Landscape and Naval	140	160	20	14.3%	<5	<5	<5	Bachelor's degree	\$65,995	\$21.88	\$36.65
17-1012	Landscape Architects	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$55,542	\$16.70	\$31.70
17-1021	Cartographers and Photogrammetrists	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$49,122	\$20.33	\$25.26
17-1022	Surveyors	140	150	10	7.1%	<5	<5	<5	Bachelor's degree	\$48,205	\$16.57	\$26.48
17-2011	Aerospace Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2021	Agricultural Engineers	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$70,081	\$27.59	\$36.74
17-2031	Biomedical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2041	Chemical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2051	Civil Engineers	370	410	40	10.8%	<5	10	10	Bachelor's degree	\$60,633	\$20.83	\$33.31
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2071	Electrical Engineers	430	450	20	4.7%	<5	10	10	Bachelor's degree	\$66,991	\$22.94	\$36.84
17-2072	Electronics Engineers, Except Computer	70	70	0	0.0%	<5	<5	<5	Bachelor's degree	\$66,287	\$25.20	\$35.20
17-2081	Environmental Engineers	100	110	10	10.0%	<5	<5	<5	Bachelor's degree	\$65,924	\$22.70	\$36.19
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$60,190	\$22.22	\$32.29
17-2112	Industrial Engineers	690	830	140	20.3%	10	20	30	Bachelor's degree	\$62,085	\$22.05	\$33.75
17-2121	Marine Engineers and Naval Architects	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$57,451	\$22.27	\$30.30
17-2131	Materials Engineers	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$63,899	\$22.36	\$34.90
17-2141	Mechanical Engineers	900	920	20	2.2%	<5	20	20	Bachelor's degree	\$64,346	\$22.90	\$34.95
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2161	Nuclear Engineers	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$89,595	\$27.52	\$50.85

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17-2199	Engineers, All Other	250	260	10	4.0%	<5	<5	<5	Bachelor's degree	\$68,793	\$23.41	\$37.90
17-3011	Architectural and Civil Drafters	220	210	-10	-4.5%	0	10	10	Postsecondary vocational training	\$39,040	\$14.68	\$20.81
17-3012	Electrical and Electronics Drafters	70	80	10	14.3%	<5	<5	<5	Postsecondary vocational training	\$46,460	\$16.28	\$25.37
17-3013	Mechanical Drafters	440	440	0	0.0%	<5	10	10	Postsecondary vocational training	\$45,318	\$16.03	\$24.67
17-3019	Drafters, All Other	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
17-3021	Aerospace Engineering and Operations Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
17-3022	Civil Engineering Technicians	190	190	0	0.0%	<5	<5	<5	Associate degree	\$42,270	\$15.62	\$22.67
17-3023	Electrical and Electronic Engineering Technicians	280	280	0	0.0%	<5	10	10	Associate degree	\$46,102	\$17.33	\$24.58
17-3024	Electro-Mechanical Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
17-3025	Environmental Engineering Technicians	20	30	10	50.0%	<5	<5	<5	Associate degree	\$39,060	\$10.90	\$22.72
17-3026	Industrial Engineering Technicians	220	250	30	13.6%	<5	<5	<5	Associate degree	\$40,583	\$15.28	\$21.63
17-3027	Mechanical Engineering Technicians	130	130	0	0.0%	<5	<5	<5	Associate degree	\$45,516	\$17.22	\$24.22
17-3029	Engineering Technicians, Except Drafters, All Other	90	100	10	11.1%	<5	<5	<5	Associate degree	\$45,338	\$15.37	\$25.01
17-3031	Surveying and Mapping Technicians	100	110	10	10.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,878	\$13.41	\$18.44
19-0000	Life, Physical, and Social Science Occupations	2,050	2,240	190	9.3%	20	50	70		\$50,702	\$14.19	\$29.47
19-1011	Animal Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-1012	Food Scientists and Technologists	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$56,406	\$18.73	\$31.31
19-1013	Soil and Plant Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-1021	Biochemists and Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-1022	Microbiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-1023	Zoologists and Wildlife Biologists	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$57,934	\$19.33	\$32.11
19-1029	Biological Scientists, All Other	30	40	10	33.3%	<5	<5	<5	Doctoral degree	\$78,556	\$24.33	\$44.49
19-1031	Conservation Scientists	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$54,046	\$19.34	\$29.30
19-1032	Foresters	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$40,594	\$12.79	\$22.88
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-1042	Medical Scientists, Except Epidemiologists	130	150	20	15.4%	<5	<5	<5	Doctoral degree	\$49,752	\$19.69	\$26.04
19-1099	Life Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-2031	Chemists	160	160	0	0.0%	<5	<5	<5	Bachelor's degree	\$64,122	\$18.63	\$36.92
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-2041	Environmental Scientists and Specialists, Including Health	100	120	20	20.0%	<5	<5	<5	Master's degree	\$50,459	\$20.66	\$26.06
19-2042	Geoscientists, Except Hydrologists and Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-2043	Hydrologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-2099	Physical Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3021	Market Research Analysts	330	380	50	15.2%	10	<5	10	Master's degree	\$52,591	\$15.88	\$29.99
19-3022	Survey Researchers	*	*	*	*	<5	<5	<5	Master's degree	*	*	*

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19-3031	Clinical, Counseling, and School Psychologists	200	220	20	10.0%	<5	<5	<5	Doctoral degree	\$66,614	\$19.41	\$38.34
19-3039	Psychologists, All Other	10	10	0	0.0%	<5	<5	<5	Master's degree	\$63,860	\$20.00	\$36.05
19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3051	Urban and Regional Planners	70	70	0	0.0%	<5	<5	<5	Master's degree	\$49,208	\$13.65	\$28.66
19-3091	Anthropologists and Archeologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3094	Political Scientists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3099	Social Scientists and Related Workers, All Other	30	30	0	0.0%	<5	<5	<5	Master's degree	\$41,692	\$16.76	\$21.69
19-4011	Agricultural and Food Science Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
19-4021	Biological Technicians	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$30,970	\$12.05	\$16.31
19-4031	Chemical Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
19-4041	Geological and Petroleum Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
19-4061	Social Science Research Assistants	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
19-4091	Environmental Science and Protection Technicians, Including Health	40	50	10	25.0%	<5	<5	<5	Associate degree	\$40,471	\$12.46	\$22.96
19-4092	Forensic Science Technicians	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-4093	Forest and Conservation Technicians	30	30	0	0.0%	<5	<5	<5	Associate degree	\$38,023	\$12.96	\$20.94
19-4099	Life, Physical, and Social Science Technicians, All Other	130	140	10	7.7%	<5	10	10	Associate degree	\$47,926	\$14.90	\$27.11
21-0000	Community and Social Services Occupations	3,290	3,810	520	15.8%	50	60	110		\$43,444	\$13.07	\$24.80
21-1011	Substance Abuse and Behavioral Disorder Counselors	100	120	20	20.0%	<5	<5	<5	Master's degree	\$37,396	\$12.52	\$20.71
21-1012	Educational, Vocational, and School Counselors	340	360	20	5.9%	<5	10	10	Master's degree	\$51,589	\$16.97	\$28.72
21-1013	Marriage and Family Therapists	60	70	10	16.7%	<5	<5	<5	Master's degree	\$33,776	\$9.46	\$19.63
21-1014	Mental Health Counselors	110	140	30	27.3%	<5	<5	<5	Master's degree	\$41,023	\$12.75	\$23.21
21-1015	Rehabilitation Counselors	200	240	40	20.0%	<5	<5	<5	Master's degree	\$32,267	\$10.37	\$18.08
21-1019	Counselors, All Other	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
21-1021	Child, Family, and School Social Workers	500	560	60	12.0%	10	10	20	Master's degree	\$46,026	\$16.12	\$25.13
21-1022	Medical and Public Health Social Workers	230	270	40	17.4%	<5	10	10	Master's degree	\$44,033	\$15.88	\$23.81
21-1023	Mental Health and Substance Abuse Social Workers	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
21-1029	Social Workers, All Other	120	120	0	0.0%	<5	<5	<5	Master's degree	\$60,336	\$21.97	\$32.53
21-1091	Health Educators	70	80	10	14.3%	<5	<5	<5	Master's degree	\$47,874	\$17.94	\$25.55
21-1092	Probation Officers and Correctional Treatment Specialists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
21-1093	Social and Human Service Assistants	590	720	130	22.0%	10	10	20	Moderate-term on-the-job training	\$32,176	\$11.35	\$17.53
21-1099	Community and Social Service Specialists, All Other	230	270	40	17.4%	<5	<5	<5	Bachelor's degree	\$31,327	\$9.44	\$17.87
21-2011	Clergy	320	370	50	15.6%	10	<5	10	Master's degree	\$48,019	\$18.06	\$25.60
21-2021	Directors, Religious Activities and Education	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
21-2099	Religious Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
23-0000	Legal Occupations	980	1,080	100	10.2%	10	20	30		\$56,291	\$15.10	\$33.04
23-1011	Lawyers	500	550	50	10.0%	10	10	20	First professional degree	\$87,708	\$23.24	\$51.63

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23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
23-1022	Arbitrators, Mediators, and Conciliators	20	20	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$69,125	\$20.15	\$39.78
23-1023	Judges, Magistrate Judges, and Magistrates	40	40	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$42,728	\$6.45	\$27.59
23-2011	Paralegals and Legal Assistants	240	290	50	20.8%	10	<5	10	Associate degree	\$37,748	\$15.97	\$19.24
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
23-2092	Law Clerks	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$41,013	\$15.57	\$21.79
23-2093	Title Examiners, Abstractors, and Searchers	100	100	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$37,132	\$15.92	\$18.82
23-2099	Legal Support Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
25-0000	Education, Training, and Library Occupations	14,070	15,020	950	6.8%	100	290	390		\$41,027	\$11.36	\$23.91
25-1011	Business Teachers, Postsecondary	160	180	20	12.5%	<5	<5	<5	Doctoral degree	\$61,229	*	*
25-1021	Computer Science Teachers, Postsecondary	40	50	10	25.0%	<5	<5	<5	Doctoral degree	\$61,976	*	*
25-1022	Mathematical Science Teachers, Postsecondary	80	100	20	25.0%	<5	<5	<5	Doctoral degree	\$54,151	*	*
25-1031	Architecture Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1032	Engineering Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1041	Agricultural Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1042	Biological Science Teachers, Postsecondary	60	70	10	16.7%	<5	<5	<5	Doctoral degree	\$52,585	*	*
25-1043	Forestry and Conservation Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1052	Chemistry Teachers, Postsecondary	30	40	10	33.3%	<5	<5	<5	Doctoral degree	\$51,306	*	*
25-1053	Environmental Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1054	Physics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1061	Anthropology and Archeology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1063	Economics Teachers, Postsecondary	20	30	10	50.0%	<5	<5	<5	Doctoral degree	\$60,940	*	*
25-1064	Geography Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1065	Political Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1066	Psychology Teachers, Postsecondary	50	60	10	20.0%	<5	<5	<5	Doctoral degree	\$50,724	*	*
25-1067	Sociology Teachers, Postsecondary	30	30	0	0.0%	<5	<5	<5	Doctoral degree	\$56,978	*	*
25-1069	Social Sciences Teachers, Postsecondary, All Other	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$62,004	*	*
25-1071	Health Specialties Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
25-1072	Nursing Instructors and Teachers, Postsecondary	100	110	10	10.0%	<5	<5	<5	Doctoral degree	\$58,474	*	*
25-1081	Education Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1082	Library Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*

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25-1112	Law Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1113	Social Work Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1121	Art, Drama, and Music Teachers, Postsecondary	130	150	20	15.4%	<5	<5	<5	Master's degree	\$44,518	*	*
25-1122	Communications Teachers, Postsecondary	60	70	10	16.7%	<5	<5	<5	Doctoral degree	\$65,851	*	*
25-1123	English Language and Literature Teachers, Postsecondary	90	110	20	22.2%	<5	<5	<5	Doctoral degree	\$45,055	*	*
25-1124	Foreign Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1125	History Teachers, Postsecondary	30	40	10	33.3%	<5	<5	<5	Doctoral degree	\$50,928	*	*
25-1126	Philosophy and Religion Teachers, Postsecondary	30	30	0	0.0%	<5	<5	<5	Doctoral degree	\$39,478	*	*
25-1191	Graduate Teaching Assistants	*	*	*	*	<5	10	10	Bachelor's degree	*	*	*
25-1192	Home Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
25-1194	Vocational Education Teachers, Postsecondary	*	*	*	*	10	10	20	Work experience in a related occupation	*	*	*
25-1199	Postsecondary Teachers, All Other	250	290	40	16.0%	<5	<5	<5	Doctoral degree	\$52,547	*	*
25-2011	Preschool Teachers, Except Special Education	680	800	120	17.6%	10	10	20	Bachelor's degree	\$26,526	\$8.81	\$14.73
25-2012	Kindergarten Teachers, Except Special Education	280	300	20	7.1%	<5	10	10	Bachelor's degree	\$45,120	*	*
25-2021	Elementary School Teachers, Except Special Education	2,410	2,580	170	7.1%	20	50	70	Bachelor's degree	\$46,179	*	*
25-2022	Middle School Teachers, Except Special and Vocational Education	1,230	1,300	70	5.7%	10	30	40	Bachelor's degree	\$47,361	*	*
25-2023	Vocational Education Teachers, Middle School	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$47,732	*	*
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,830	1,820	-10	-0.5%	0	60	60	Bachelor's degree	\$45,912	*	*
25-2032	Vocational Education Teachers, Secondary School	140	120	-20	-14.3%	0	<5	<5	Bachelor's degree	\$46,880	*	*
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	290	320	30	10.3%	<5	10	10	Bachelor's degree	\$48,733	*	*
25-2042	Special Education Teachers, Middle School	140	160	20	14.3%	<5	<5	<5	Bachelor's degree	\$46,700	*	*
25-2043	Special Education Teachers, Secondary School	210	210	0	0.0%	<5	10	10	Bachelor's degree	\$50,874	*	*
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	100	110	10	10.0%	<5	<5	<5	Bachelor's degree	\$45,729	\$16.23	\$24.86
25-3021	Self-Enrichment Education Teachers	250	280	30	12.0%	<5	<5	<5	Work experience in a related occupation	\$29,748	\$8.23	\$17.34
25-3099	Teachers and Instructors, All Other	1,100	1,140	40	3.6%	<5	10	10	Bachelor's degree	\$29,737	*	*
25-4011	Archivists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
25-4012	Curators	20	30	10	50.0%	<5	<5	<5	Master's degree	\$43,307	\$16.57	\$22.95
25-4013	Museum Technicians and Conservators	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
25-4021	Librarians	260	250	-10	-3.8%	0	10	10	Master's degree	\$48,987	\$17.68	\$26.49
25-4031	Library Technicians	300	310	10	3.3%	<5	10	10	Postsecondary vocational training	\$26,944	\$9.07	\$14.90
25-9011	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
25-9021	Farm and Home Management Advisors	70	70	0	0.0%	<5	<5	<5	Bachelor's degree	\$59,078	\$21.63	\$31.79
25-9031	Instructional Coordinators	120	140	20	16.7%	<5	<5	<5	Master's degree	\$54,478	\$14.23	\$32.17
25-9041	Teacher Assistants	2,070	2,120	50	2.4%	10	30	40	Associate degree	\$24,270	*	*

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25-9099	Education, Training, and Library Workers, All Other	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$32,278	\$9.09	\$18.73
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	3,360	3,530	170	5.1%	20	80	100		\$36,339	\$9.95	\$21.23
27-1011	Art Directors	40	50	10	25.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$58,872	\$20.11	\$32.40
27-1012	Craft Artists	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-1014	Multi-Media Artists and Animators	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$44,048	\$15.90	\$23.82
27-1019	Artists and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-1021	Commercial and Industrial Designers	130	130	0	0.0%	<5	<5	<5	Bachelor's degree	\$55,787	\$17.89	\$31.28
27-1023	Floral Designers	200	180	-20	-10.0%	0	10	10	Moderate-term on-the-job training	\$22,476	\$8.82	\$11.80
27-1024	Graphic Designers	420	440	20	4.8%	<5	10	10	Bachelor's degree	\$36,505	\$12.08	\$20.29
27-1025	Interior Designers	110	110	0	0.0%	<5	<5	<5	Bachelor's degree	\$44,434	\$14.69	\$24.70
27-1026	Merchandise Displayers and Window Trimmers	80	90	10	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$21,318	\$7.63	\$11.56
27-1027	Set and Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
27-1029	Designers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2012	Producers and Directors	80	80	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$45,084	\$14.92	\$25.05
27-2021	Athletes and Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2022	Coaches and Scouts	350	380	30	8.6%	<5	10	10	Long-term on-the-job training	\$25,412	*	*
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
27-2041	Music Directors and Composers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
27-2042	Musicians and Singers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-3011	Radio and Television Announcers	160	130	-30	-18.8%	0	10	10	Long-term on-the-job training	\$21,351	\$8.03	\$11.38
27-3012	Public Address System and Other Announcers	50	50	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$39,642	\$12.36	\$22.41
27-3021	Broadcast News Analysts	30	30	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$62,207	\$14.41	\$37.66
27-3022	Reporters and Correspondents	90	90	0	0.0%	<5	<5	<5	Bachelor's degree	\$35,861	\$11.15	\$20.28
27-3031	Public Relations Specialists	430	470	40	9.3%	<5	<5	<5	Bachelor's degree	\$40,744	\$13.38	\$22.70
27-3041	Editors	130	130	0	0.0%	<5	<5	<5	Bachelor's degree	\$44,094	\$15.19	\$24.20
27-3042	Technical Writers	40	50	10	25.0%	<5	<5	<5	Bachelor's degree	\$50,193	\$18.98	\$26.71
27-3043	Writers and Authors	90	100	10	11.1%	<5	<5	<5	Bachelor's degree	\$41,929	\$12.20	\$24.14
27-3091	Interpreters and Translators	90	110	20	22.2%	<5	<5	<5	Long-term on-the-job training	\$35,806	\$12.68	\$19.48
27-3099	Media and Communication Workers, All Other	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$28,777	\$8.76	\$16.37
27-4011	Audio and Video Equipment Technicians	50	60	10	20.0%	<5	<5	<5	Long-term on-the-job training	\$37,845	\$13.07	\$20.76
27-4012	Broadcast Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
27-4021	Photographers	100	100	0	0.0%	<5	<5	<5	Bachelor's degree	\$29,987	\$10.00	\$16.62

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27-4031	Camera Operators, Television, Video, and Motion Picture	30	30	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$38,615	\$9.02	\$23.34
27-4032	Film and Video Editors	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$33,375	\$9.34	\$19.40
27-4099	Media and Communication Equipment Workers, All	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
29-0000	Healthcare Practitioners and Technical Occupations	15,080	18,290	3,210	21.3%	320	280	600		\$59,264	\$15.16	\$35.16
29-1011	Chiropractors	110	140	30	27.3%	<5	<5	<5	First professional degree	\$106,652	\$29.86	\$61.98
29-1021	Dentists, General	240	250	10	4.2%	<5	10	10	First professional degree	\$138,119	\$52.31	\$73.45
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	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1031	Dietitians and Nutritionists	120	120	0	0.0%	<5	<5	<5	Bachelor's degree	\$47,562	\$18.90	\$24.85
29-1041	Optometrists	50	50	0	0.0%	<5	<5	<5	First professional degree	\$119,270	\$38.92	\$66.55
29-1051	Pharmacists	480	580	100	20.8%	10	10	20	First professional degree	\$104,466	\$43.54	\$53.57
29-1061	Anesthesiologists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1062	Family and General Practitioners	260	300	40	15.4%	<5	10	10	First professional degree	\$179,017	*	*
29-1063	Internists, General	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1064	Obstetricians and Gynecologists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1066	Psychiatrists	40	50	10	25.0%	<5	<5	<5	First professional degree	\$168,914	*	*
29-1067	Surgeons	120	130	10	8.3%	<5	<5	<5	First professional degree	\$189,515	*	*
29-1069	Physicians and Surgeons, All Other	360	450	90	25.0%	10	10	20	First professional degree	\$176,692	*	*
29-1071	Physician Assistants	110	150	40	36.4%	<5	<5	<5	Master's degree	\$79,835	\$26.04	\$44.55
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1111	Registered Nurses	5,340	6,740	1,400	26.2%	140	90	230	Associate or Bachelor's degree ⁽⁸⁾	\$57,078	\$21.43	\$30.44
29-1121	Audiologists	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$45,051	\$16.32	\$24.33
29-1122	Occupational Therapists	270	340	70	25.9%	10	<5	10	Master's degree	\$53,472	\$18.50	\$29.31
29-1123	Physical Therapists	400	520	120	30.0%	10	10	20	Master's degree	\$64,892	\$24.76	\$34.42
29-1124	Radiation Therapists	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
29-1125	Recreational Therapists	60	60	0	0.0%	<5	<5	<5	Bachelor's degree	\$33,902	\$11.64	\$18.63
29-1126	Respiratory Therapists	190	240	50	26.3%	10	<5	10	Associate degree	\$46,590	\$18.50	\$24.35
29-1127	Speech-Language Pathologists	220	230	10	4.5%	<5	<5	<5	Master's degree	\$59,855	\$20.73	\$32.80
29-1129	Therapists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
29-1131	Veterinarians	160	210	50	31.3%	10	<5	10	First professional degree	\$79,592	\$19.86	\$47.47
29-1199	Health Diagnosing and Treating Practitioners, All Other	60	60	0	0.0%	<5	<5	<5	First professional degree	\$67,005	\$25.23	\$35.71
29-2011	Medical and Clinical Laboratory Technologists	310	360	50	16.1%	10	10	20	Bachelor's degree	\$48,947	\$18.67	\$25.96
29-2012	Medical and Clinical Laboratory Technicians	170	200	30	17.6%	<5	<5	<5	Associate degree	\$35,636	\$12.80	\$19.30
29-2021	Dental Hygienists	510	660	150	29.4%	20	10	30	Associate degree	\$58,089	\$26.32	\$28.73
29-2031	Cardiovascular Technologists and Technicians	70	90	20	28.6%	<5	<5	<5	Associate degree	\$46,978	\$14.31	\$26.72
29-2032	Diagnostic Medical Sonographers	90	110	20	22.2%	<5	<5	<5	Associate degree	\$66,880	\$26.80	\$34.83

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29-2033	Nuclear Medicine Technologists	40	40	0	0.0%	<5	<5	<5	Associate degree	\$66,513	\$27.23	\$34.35
29-2034	Radiologic Technologists and Technicians	490	580	90	18.4%	10	10	20	Associate degree	\$46,128	\$16.55	\$24.99
29-2041	Emergency Medical Technicians and Paramedics	920	1,020	100	10.9%	10	10	20	Postsecondary vocational training	\$29,468	\$10.05	\$16.23
29-2051	Dietetic Technicians	60	70	10	16.7%	<5	<5	<5	Postsecondary vocational training	\$28,673	\$9.57	\$15.89
29-2052	Pharmacy Technicians	680	870	190	27.9%	20	20	40	Moderate-term on-the-job training	\$25,733	\$9.54	\$13.79
29-2053	Psychiatric Technicians	90	90	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$34,252	\$10.89	\$19.25
29-2054	Respiratory Therapy Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
29-2055	Surgical Technologists	240	310	70	29.2%	10	10	20	Postsecondary vocational training	\$39,099	\$15.37	\$20.51
29-2056	Veterinary Technologists and Technicians	160	210	50	31.3%	10	10	20	Associate degree	\$25,271	\$8.21	\$14.12
29-2061	Licensed Practical and Licensed Vocational Nurses	1,180	1,300	120	10.2%	10	30	40	Postsecondary vocational training	\$35,838	\$14.70	\$18.49
29-2071	Medical Records and Health Information Technicians	370	440	70	18.9%	10	10	20	Associate degree	\$30,463	\$10.07	\$16.93
29-2081	Opticians, Dispensing	230	240	10	4.3%	<5	10	10	Long-term on-the-job training	\$26,552	\$9.83	\$14.23
29-2091	Orthotists and Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
29-2099	Health Technologists and Technicians, All Other	230	270	40	17.4%	<5	<5	<5	Postsecondary vocational training	\$39,997	\$13.83	\$21.93
29-9011	Occupational Health and Safety Specialists	70	70	0	0.0%	<5	<5	<5	Bachelor's degree	\$51,979	\$17.99	\$28.49
29-9012	Occupational Health and Safety Technicians	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$43,576	\$13.94	\$24.45
29-9091	Athletic Trainers	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$45,494	*	*
29-9099	Healthcare Practitioners and Technical Workers, All Other	150	180	30	20.0%	<5	<5	<5	Bachelor's degree	\$39,916	\$12.35	\$22.61
31-0000	Healthcare Support Occupations	8,890	10,710	1,820	20.5%	180	100	280		\$26,044	\$9.54	\$14.01
31-1011	Home Health Aides	1,370	1,900	530	38.7%	50	10	60	Short-term on-the-job training	\$20,731	\$7.93	\$10.99
31-1012	Nursing Aides, Orderlies, and Attendants	4,090	4,540	450	11.0%	50	40	90	Postsecondary vocational training	\$24,788	\$9.86	\$12.94
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
31-2011	Occupational Therapist Assistants	70	90	20	28.6%	<5	<5	<5	Associate degree	\$37,323	\$14.49	\$19.67
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
31-2021	Physical Therapist Assistants	140	190	50	35.7%	10	<5	10	Associate degree	\$41,175	\$17.14	\$21.13
31-2022	Physical Therapist Aides	150	190	40	26.7%	<5	<5	<5	Short-term on-the-job training	\$26,274	\$10.64	\$13.63
31-9011	Massage Therapists	90	110	20	22.2%	<5	<5	<5	Postsecondary vocational training	\$30,423	\$9.39	\$17.25
31-9091	Dental Assistants	640	840	200	31.3%	20	10	30	Moderate-term on-the-job training	\$32,424	\$12.52	\$17.12
31-9092	Medical Assistants	780	1,060	280	35.9%	30	10	40	Moderate-term on-the-job training	\$26,738	\$10.70	\$13.93
31-9093	Medical Equipment Preparers	90	100	10	11.1%	<5	<5	<5	Short-term on-the-job training	\$28,604	\$11.81	\$14.72
31-9094	Medical Transcriptionists	440	520	80	18.2%	10	10	20	Postsecondary vocational training	\$30,010	\$11.90	\$15.69
31-9095	Pharmacy Aides	70	70	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$21,638	\$7.76	\$11.73
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	150	160	10	6.7%	<5	<5	<5	Short-term on-the-job training	\$21,527	\$8.63	\$11.21
31-9099	Healthcare Support Workers, All Other	730	860	130	17.8%	10	10	20	Short-term on-the-job training	\$27,362	\$9.78	\$14.84
33-0000	Protective Service Occupations	5,270	5,620	350	6.6%	40	160	200		\$34,804	\$9.10	\$20.55
33-1011	First-Line Supervisors/Managers of Correctional Officers	60	60	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$54,418	\$22.60	\$27.94
33-1012	First-Line Supervisors/Managers of Police and Detectives	150	160	10	6.7%	<5	10	10	Work experience in a related occupation	\$61,169	\$26.04	\$31.09
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	90	100	10	11.1%	<5	<5	<5	Work experience in a related occupation	\$52,267	\$14.04	\$30.67

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33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	50	50	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$48,270	\$14.68	\$27.47
33-2011	Fire Fighters	960	1,010	50	5.2%	10	40	50	Long-term on-the-job training	\$30,131	\$8.43	\$17.51
33-2021	Fire Inspectors and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
33-3011	Bailiffs	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,401	\$7.89	\$15.82
33-3012	Correctional Officers and Jailers	560	620	60	10.7%	10	10	20	Moderate-term on-the-job training	\$36,346	\$14.54	\$18.94
33-3021	Detectives and Criminal Investigators	180	210	30	16.7%	<5	<5	<5	Work experience in a related occupation	\$54,970	\$20.57	\$29.36
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	1,370	1,430	60	4.4%	10	40	50	Long-term on-the-job training	\$43,436	\$14.61	\$24.02
33-3052	Transit and Railroad Police	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
33-9011	Animal Control Workers	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,514	\$6.91	\$14.95
33-9021	Private Detectives and Investigators	30	40	10	33.3%	<5	<5	<5	Work experience in a related occupation	\$32,636	\$11.45	\$17.81
33-9031	Gaming Surveillance Officers and Gaming Investigators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
33-9032	Security Guards	1,050	1,150	100	9.5%	10	20	30	Short-term on-the-job training	\$22,333	\$8.39	\$11.91
33-9091	Crossing Guards	210	200	-10	-4.8%	0	10	10	Short-term on-the-job training	\$22,907	\$7.86	\$12.59
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	290	320	30	10.3%	<5	20	20	Short-term on-the-job training	\$18,907	\$7.49	\$9.89
33-9099	Protective Service Workers, All Other	120	130	10	8.3%	<5	10	10	Short-term on-the-job training	\$26,127	\$8.84	\$14.42
35-0000	Food Preparation and Serving Related Occupations	27,010	29,970	2,960	11.0%	300	930	1,230		\$18,154	\$6.53	\$9.83
35-1011	Chefs and Head Cooks	270	290	20	7.4%	<5	<5	<5	Postsecondary vocational training	\$31,727	\$10.17	\$17.80
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,650	1,810	160	9.7%	20	10	30	Work experience in a related occupation	\$29,196	\$9.72	\$16.19
35-2011	Cooks, Fast Food	1,120	1,190	70	6.3%	10	30	40	Short-term on-the-job training	\$16,127	\$6.64	\$8.31
35-2012	Cooks, Institution and Cafeteria	800	840	40	5.0%	<5	20	20	Long-term on-the-job training	\$22,344	\$8.74	\$11.74
35-2013	Cooks, Private Household	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
35-2014	Cooks, Restaurant	1,830	2,030	200	10.9%	20	50	70	Long-term on-the-job training	\$19,983	\$7.28	\$10.77
35-2015	Cooks, Short Order	460	480	20	4.3%	<5	10	10	Short-term on-the-job training	\$17,490	\$6.64	\$9.29
35-2019	Cooks, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
35-2021	Food Preparation Workers	1,470	1,630	160	10.9%	20	50	70	Short-term on-the-job training	\$19,120	\$7.17	\$10.20
35-3011	Bartenders	2,970	3,260	290	9.8%	30	110	140	Short-term on-the-job training	\$17,574	\$7.15	\$9.10
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	6,180	7,190	1,010	16.3%	100	120	220	Short-term on-the-job training	\$16,420	\$6.43	\$8.63
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	870	930	60	6.9%	10	60	70	Short-term on-the-job training	\$16,491	\$6.59	\$8.60
35-3031	Waiters and Waitresses	5,630	6,180	550	9.8%	60	310	370	Short-term on-the-job training	\$16,950	\$6.44	\$9.00
35-3041	Food Servers, Nonrestaurant	650	730	80	12.3%	10	10	20	Short-term on-the-job training	\$19,291	\$7.45	\$10.19
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	950	1,040	90	9.5%	10	40	50	Short-term on-the-job training	\$15,765	\$6.42	\$8.16

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35-9021	Dishwashers	1,400	1,540	140	10.0%	10	60	70	Short-term on-the-job training	\$15,442	\$6.44	\$7.92
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	700	770	70	10.0%	10	50	60	Short-term on-the-job training	\$16,914	\$6.65	\$8.87
35-9099	Food Preparation and Serving Related Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
37-0000	Building and Grounds Cleaning and Maintenance Occupations	10,650	11,860	1,210	11.4%	120	190	310		\$21,441	\$7.31	\$11.81
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	400	440	40	10.0%	<5	10	10	Work experience in a related occupation	\$31,093	\$10.32	\$17.26
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	180	210	30	16.7%	<5	<5	<5	Work experience in a related occupation	\$40,185	\$11.45	\$23.25
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	5,190	5,710	520	10.0%	50	100	150	Short-term on-the-job training	\$21,324	\$7.50	\$11.63
37-2012	Maids and Housekeeping Cleaners	3,180	3,540	360	11.3%	40	60	100	Short-term on-the-job training	\$18,459	\$6.81	\$9.91
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	1,530	1,770	240	15.7%	20	20	40	Short-term on-the-job training	\$22,069	\$7.15	\$12.34
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,268	\$11.32	\$15.45
37-3013	Tree Trimmers and Pruners	50	50	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$27,971	\$11.80	\$14.27
37-3019	Grounds Maintenance Workers, All Other	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$21,167	\$7.78	\$11.37
39-0000	Personal Care and Service Occupations	7,550	8,810	1,260	16.7%	130	180	310		\$20,717	\$7.30	\$11.29
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	290	330	40	13.8%	<5	10	10	Work experience in a related occupation	\$33,685	\$11.28	\$18.65
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-2021	Nonfarm Animal Caretakers	250	280	30	12.0%	<5	<5	<5	Short-term on-the-job training	\$20,672	\$6.66	\$11.58
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	10	10	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$17,299	\$6.92	\$9.02
39-3031	Ushers, Lobby Attendants, and Ticket Takers	160	170	10	6.3%	<5	10	10	Short-term on-the-job training	\$13,752	\$6.47	\$6.68
39-3091	Amusement and Recreation Attendants	500	550	50	10.0%	10	30	40	Short-term on-the-job training	\$15,646	\$6.46	\$8.06
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	<5	10	10	Moderate-term on-the-job training	*	*	*
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-4021	Funeral Attendants	70	80	10	14.3%	<5	<5	<5	Short-term on-the-job training	\$28,212	\$7.57	\$16.56
39-5011	Barbers	*	*	*	*	0	<5	<5	Postsecondary vocational training	*	*	*
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,100	1,180	80	7.3%	10	10	20	Postsecondary vocational training	\$20,860	\$8.02	\$11.03

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39-5091	Makeup Artists, Theatrical and Performance	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-5092	Manicurists and Pedicurists	60	70	10	16.7%	<5	<5	<5	Postsecondary vocational training	\$17,840	\$6.59	\$9.57
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-5094	Skin Care Specialists	30	40	10	33.3%	<5	<5	<5	Postsecondary vocational training	\$32,670	\$10.01	\$18.55
39-6011	Baggage Porters and Bellhops	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$16,052	\$6.68	\$8.24
39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-6021	Tour Guides and Escorts	70	90	20	28.6%	<5	<5	<5	Moderate-term on-the-job training	\$17,173	\$6.47	\$9.15
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-6031	Flight Attendants	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-9011	Child Care Workers	1,530	1,840	310	20.3%	30	40	70	Short-term on-the-job training	\$19,496	\$7.61	\$10.26
39-9021	Personal and Home Care Aides	1,570	2,100	530	33.8%	50	30	80	Short-term on-the-job training	\$20,159	\$7.67	\$10.70
39-9031	Fitness Trainers and Aerobics Instructors	420	480	60	14.3%	10	10	20	Postsecondary vocational training	\$19,355	\$7.55	\$10.18
39-9032	Recreation Workers	670	710	40	6.0%	<5	10	10	Bachelor's degree	\$21,047	\$7.77	\$11.29
39-9041	Residential Advisors	80	90	10	12.5%	<5	<5	<5	Short-term on-the-job training	\$26,990	\$9.31	\$14.81
39-9099	Personal Care and Service Workers, All Other	100	90	-10	-10.0%	0	<5	<5	Short-term on-the-job training	\$25,029	\$7.35	\$14.38
41-0000	Sales and Related Occupations	28,610	29,790	1,180	4.1%	120	910	1,030		\$32,161	\$7.31	\$19.54
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	2,040	2,070	30	1.5%	<5	40	40	Work experience in a related occupation	\$35,879	\$11.05	\$20.35
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	480	490	10	2.1%	<5	10	10	Work experience in a related occupation	\$68,346	\$22.44	\$38.07
41-2011	Cashiers	7,470	7,050	-420	-5.6%	0	360	360	Short-term on-the-job training	\$16,880	\$6.57	\$8.89
41-2012	Gaming Change Persons and Booth Cashiers	*	*	*	*	0	10	10	Short-term on-the-job training	*	*	*
41-2021	Counter and Rental Clerks	840	970	130	15.5%	10	30	40	Short-term on-the-job training	\$21,198	\$7.33	\$11.62
41-2022	Parts Salespersons	480	460	-20	-4.2%	0	10	10	Moderate-term on-the-job training	\$29,638	\$10.50	\$16.13
41-2031	Retail Salespersons	8,580	9,220	640	7.5%	60	260	320	Short-term on-the-job training	\$24,158	\$7.19	\$13.83
41-3011	Advertising Sales Agents	310	360	50	16.1%	10	10	20	Moderate-term on-the-job training	\$43,729	\$12.86	\$25.10
41-3021	Insurance Sales Agents	1,050	1,330	280	26.7%	30	20	50	Bachelor's degree	\$57,742	\$14.86	\$34.21
41-3031	Securities, Commodities, and Financial Services Sales Agents	280	340	60	21.4%	10	10	20	Bachelor's degree	\$78,657	\$19.90	\$46.78
41-3041	Travel Agents	120	120	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$29,442	\$11.30	\$15.58
41-3099	Sales Representatives, Services, All Other	870	1,070	200	23.0%	20	20	40	Work experience in a related occupation	\$60,362	\$12.92	\$37.07
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	540	590	50	9.3%	10	10	20	Work experience in a related occupation	\$65,212	\$18.18	\$37.94
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	3,840	4,050	210	5.5%	20	90	110	Work experience in a related occupation	\$62,650	\$15.70	\$37.33
41-9011	Demonstrators and Product Promoters	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
41-9012	Models	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
41-9021	Real Estate Brokers	50	60	10	20.0%	<5	<5	<5	Postsecondary vocational training	\$48,989	\$12.45	\$29.10

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41-9022	Real Estate Sales Agents	110	130	20	18.2%	<5	<5	<5	Postsecondary vocational training	\$49,539	\$14.46	\$28.50
41-9031	Sales Engineers	310	300	-10	-3.2%	0	10	10	Bachelor's degree	\$72,321	\$23.91	\$40.20
41-9041	Telemarketers	*	*	*	*	0	20	20	Short-term on-the-job training	*	*	*
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	260	290	30	11.5%	<5	<5	<5	Moderate-term on-the-job training	\$45,730	\$11.81	\$27.07
43-0000	Office and Administrative Support Occupations	47,680	49,570	1,890	4.0%	190	1,030	1,220		\$28,661	\$9.33	\$16.00
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	2,390	2,420	30	1.3%	<5	50	50	Work experience in a related occupation	\$44,625	\$13.66	\$25.35
43-2011	Switchboard Operators, Including Answering Service	340	310	-30	-8.8%	0	10	10	Short-term on-the-job training	\$22,748	\$9.79	\$11.51
43-2021	Telephone Operators	*	*	*	*	<5	<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	620	750	130	21.0%	10	10	20	Short-term on-the-job training	\$28,307	\$9.66	\$15.58
43-3021	Billing and Posting Clerks and Machine Operators	1,150	1,180	30	2.6%	<5	20	20	Moderate-term on-the-job training	\$29,054	\$11.32	\$15.29
43-3031	Bookkeeping, Accounting, and Auditing Clerks	4,580	4,980	400	8.7%	40	70	110	Moderate-term on-the-job training	\$28,989	\$10.26	\$15.78
43-3041	Gaming Cage Workers	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
43-3051	Payroll and Timekeeping Clerks	480	460	-20	-4.2%	0	10	10	Moderate-term on-the-job training	\$31,974	\$11.70	\$17.21
43-3061	Procurement Clerks	170	160	-10	-5.9%	0	<5	<5	Moderate-term on-the-job training	\$28,997	\$12.03	\$14.90
43-3071	Tellers	1,470	1,680	210	14.3%	20	60	80	Short-term on-the-job training	\$21,882	\$9.04	\$11.26
43-4011	Brokerage Clerks	90	100	10	11.1%	<5	<5	<5	Moderate-term on-the-job training	\$36,462	\$13.43	\$19.58
43-4021	Correspondence Clerks	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$40,872	\$13.86	\$22.55
43-4031	Court, Municipal, and License Clerks	190	200	10	5.3%	<5	<5	<5	Short-term on-the-job training	\$29,855	\$8.79	\$17.14
43-4041	Credit Authorizers, Checkers, and Clerks	90	80	-10	-11.1%	0	<5	<5	Short-term on-the-job training	\$35,591	\$12.07	\$19.63
43-4051	Customer Service Representatives	4,460	5,320	860	19.3%	90	120	210	Moderate-term on-the-job training	\$29,097	\$10.75	\$15.61
43-4061	Eligibility Interviewers, Government Programs	90	90	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$35,390	\$12.39	\$19.33
43-4071	File Clerks	470	270	-200	-42.6%	0	10	10	Short-term on-the-job training	\$22,144	\$8.40	\$11.77
43-4081	Hotel, Motel, and Resort Desk Clerks	750	860	110	14.7%	10	30	40	Short-term on-the-job training	\$18,868	\$7.29	\$9.96
43-4111	Interviewers, Except Eligibility and Loan	420	470	50	11.9%	10	10	20	Short-term on-the-job training	\$24,692	\$9.27	\$13.17
43-4121	Library Assistants, Clerical	210	220	10	4.8%	<5	10	10	Short-term on-the-job training	\$23,559	\$7.92	\$13.03
43-4131	Loan Interviewers and Clerks	420	390	-30	-7.1%	0	10	10	Short-term on-the-job training	\$32,734	\$11.49	\$17.86
43-4141	New Accounts Clerks	190	160	-30	-15.8%	0	10	10	Work experience in a related occupation	\$27,740	\$12.22	\$13.89
43-4151	Order Clerks	710	490	-220	-31.0%	0	20	20	Short-term on-the-job training	\$29,510	\$10.96	\$15.80
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	390	420	30	7.7%	<5	<5	<5	Short-term on-the-job training	\$32,397	\$12.50	\$17.12
43-4171	Receptionists and Information Clerks	2,600	2,980	380	14.6%	40	60	100	Short-term on-the-job training	\$23,266	\$8.20	\$12.68
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	70	80	10	14.3%	<5	<5	<5	Short-term on-the-job training	\$27,790	\$10.44	\$14.82
43-4199	Information and Record Clerks, All Other	410	370	-40	-9.8%	0	10	10	Short-term on-the-job training	\$30,106	\$9.61	\$16.90
43-5011	Cargo and Freight Agents	120	140	20	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$30,996	\$11.28	\$16.71

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43-5021	Couriers and Messengers	170	170	0	0.0%	<5	10	10	Short-term on-the-job training	\$21,742	\$9.15	\$11.11
43-5031	Police, Fire, and Ambulance Dispatchers	190	200	10	5.3%	<5	10	10	Moderate-term on-the-job training	\$34,853	\$13.65	\$18.31
43-5032	Dispatchers, Except Police, Fire, and Ambulance	410	410	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$36,555	\$11.24	\$20.74
43-5041	Meter Readers, Utilities	140	110	-30	-21.4%	0	<5	<5	Short-term on-the-job training	\$31,828	\$12.21	\$16.85
43-5051	Postal Service Clerks	130	130	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$44,312	\$20.61	\$21.65
43-5052	Postal Service Mail Carriers	700	710	10	1.4%	<5	20	20	Short-term on-the-job training	\$42,730	\$16.45	\$22.59
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	360	330	-30	-8.3%	0	<5	<5	Short-term on-the-job training	\$39,188	\$13.22	\$21.65
43-5061	Production, Planning, and Expediting Clerks	920	940	20	2.2%	<5	30	30	Moderate-term on-the-job training	\$37,239	\$12.88	\$20.41
43-5071	Shipping, Receiving, and Traffic Clerks	2,080	2,090	10	0.5%	<5	50	50	Short-term on-the-job training	\$28,327	\$9.56	\$15.65
43-5081	Stock Clerks and Order Fillers	3,650	3,300	-350	-9.6%	0	90	90	Short-term on-the-job training	\$22,640	\$7.45	\$12.60
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	210	170	-40	-19.0%	0	10	10	Short-term on-the-job training	\$31,476	\$9.88	\$17.76
43-6011	Executive Secretaries and Administrative Assistants	3,040	3,360	320	10.5%	30	50	80	Work experience in a related occupation	\$33,594	\$11.66	\$18.40
43-6012	Legal Secretaries	290	310	20	6.9%	<5	10	10	Associate degree	\$26,792	\$10.50	\$14.07
43-6013	Medical Secretaries	550	650	100	18.2%	10	10	20	Moderate-term on-the-job training	\$28,915	\$10.63	\$15.53
43-6014	Secretaries, Except Legal, Medical, and Executive	4,110	4,020	-90	-2.2%	0	70	70	Moderate-term on-the-job training	\$26,780	\$9.73	\$14.45
43-9011	Computer Operators	190	140	-50	-26.3%	0	<5	<5	Moderate-term on-the-job training	\$36,341	\$12.56	\$19.93
43-9021	Data Entry Keyers	550	510	-40	-7.3%	0	10	10	Moderate-term on-the-job training	\$23,277	\$8.53	\$12.52
43-9022	Word Processors and Typists	250	230	-20	-8.0%	0	10	10	Moderate-term on-the-job training	\$28,728	\$12.90	\$14.27
43-9031	Desktop Publishers	100	100	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$33,240	\$11.80	\$18.07
43-9041	Insurance Claims and Policy Processing Clerks	920	940	20	2.2%	<5	10	10	Moderate-term on-the-job training	\$29,032	\$11.98	\$14.94
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	340	300	-40	-11.8%	0	10	10	Short-term on-the-job training	\$23,168	\$8.80	\$12.31
43-9061	Office Clerks, General	4,810	5,250	440	9.1%	40	90	130	Short-term on-the-job training	\$23,470	\$8.00	\$12.92
43-9071	Office Machine Operators, Except Computer	130	120	-10	-7.7%	0	<5	<5	Short-term on-the-job training	\$23,183	\$8.21	\$12.62
43-9081	Proofreaders and Copy Markers	30	30	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$31,675	\$8.75	\$18.47
43-9111	Statistical Assistants	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
43-9199	Office and Administrative Support Workers, All Other	480	420	-60	-12.5%	0	10	10	Short-term on-the-job training	\$26,157	\$8.71	\$14.51
45-0000	Farming, Fishing, and Forestry Occupations	570	630	60	10.5%	10	10	20		\$27,524	\$7.82	\$15.94
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	20	20	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$38,220	\$12.90	\$21.11
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
45-2041	Graders and Sorters, Agricultural Products	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
45-2091	Agricultural Equipment Operators	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,309	\$10.14	\$15.35
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$24,896	\$7.05	\$14.43
45-2093	Farmworkers, Farm and Ranch Animals	190	230	40	21.1%	<5	10	10	Short-term on-the-job training	\$17,176	\$6.37	\$9.20

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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	20	30	10	50.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,748	\$14.35	\$17.88
45-4021	Fallers	50	40	-10	-20.0%	0	<5	<5	Moderate-term on-the-job training	\$25,395	\$11.46	\$12.58
45-4022	Logging Equipment Operators	60	70	10	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$24,968	\$8.27	\$13.87
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	13,800	14,990	1,190	8.6%	120	250	370		\$40,983	\$12.87	\$23.12
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	950	1,040	90	9.5%	10	10	20	Work experience in a related occupation	\$59,442	\$20.19	\$32.77
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2021	Brickmasons and Blockmasons	210	230	20	9.5%	<5	<5	<5	Long-term on-the-job training	\$41,378	\$14.43	\$22.62
47-2022	Stonemasons	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$36,289	\$14.12	\$19.11
47-2031	Carpenters	2,670	2,960	290	10.9%	30	40	70	Long-term on-the-job training	\$36,473	\$12.35	\$20.13
47-2041	Carpet Installers	130	130	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$45,216	\$13.91	\$25.65
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
47-2043	Floor Sanders and Finishers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2044	Tile and Marble Setters	100	120	20	20.0%	<5	<5	<5	Long-term on-the-job training	\$46,523	\$15.46	\$25.82
47-2051	Cement Masons and Concrete Finishers	410	460	50	12.2%	10	10	20	Moderate-term on-the-job training	\$36,784	\$12.76	\$20.15
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2061	Construction Laborers	1,280	1,390	110	8.6%	10	10	20	Moderate-term on-the-job training	\$35,258	\$11.03	\$19.91
47-2071	Paving, Surfacing, and Tamping Equipment Operators	100	100	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$46,736	\$16.01	\$25.70
47-2072	Pile-Driver Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2073	Operating Engineers and Other Construction Equipment Operators	920	980	60	6.5%	10	20	30	Moderate-term on-the-job training	\$45,791	\$15.69	\$25.18
47-2081	Drywall and Ceiling Tile Installers	220	230	10	4.5%	<5	<5	<5	Moderate-term on-the-job training	\$35,931	\$13.89	\$18.97
47-2082	Tapers	130	140	10	7.7%	<5	<5	<5	Moderate-term on-the-job training	\$39,855	\$12.88	\$22.30
47-2111	Electricians	1,710	1,810	100	5.8%	10	40	50	Long-term on-the-job training	\$44,321	\$15.62	\$24.15
47-2121	Glaziers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2131	Insulation Workers, Floor, Ceiling, and Wall	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2132	Insulation Workers, Mechanical	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2141	Painters, Construction and Maintenance	650	720	70	10.8%	10	10	20	Moderate-term on-the-job training	\$33,147	\$11.77	\$18.02
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2151	Pipelayers	60	70	10	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$53,269	\$19.36	\$28.74
47-2152	Plumbers, Pipefitters, and Steamfitters	1,220	1,340	120	9.8%	10	30	40	Long-term on-the-job training	\$51,141	\$17.83	\$27.96
47-2161	Plasterers and Stucco Masons	100	110	10	10.0%	<5	<5	<5	Long-term on-the-job training	\$35,406	\$13.37	\$18.85
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2181	Roofers	230	270	40	17.4%	<5	10	10	Moderate-term on-the-job training	\$25,526	\$8.65	\$14.08
47-2211	Sheet Metal Workers	510	540	30	5.9%	<5	10	10	Long-term on-the-job training	\$38,183	\$12.81	\$21.13

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47-2221	Structural Iron and Steel Workers	*	*	*	*	<5	10	10	Long-term on-the-job training	*	*	*
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$34,430	\$12.89	\$18.38
47-3012	Helpers--Carpenters	160	170	10	6.3%	<5	<5	<5	Short-term on-the-job training	\$25,983	\$9.79	\$13.84
47-3013	Helpers--Electricians	100	110	10	10.0%	<5	<5	<5	Short-term on-the-job training	\$16,134	\$6.62	\$8.33
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	60	60	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$27,238	\$9.21	\$15.04
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	100	120	20	20.0%	<5	<5	<5	Short-term on-the-job training	\$27,273	\$10.04	\$14.65
47-3016	Helpers--Roofers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
47-4011	Construction and Building Inspectors	150	170	20	13.3%	<5	<5	<5	Work experience in a related occupation	\$46,154	\$12.54	\$27.01
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	650	680	30	4.6%	<5	10	10	Moderate-term on-the-job training	\$31,971	\$10.18	\$17.96
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$32,677	\$12.34	\$17.39
47-4099	Construction and Related Workers, All Other	90	100	10	11.1%	<5	<5	<5	Moderate-term on-the-job training	\$38,888	\$15.84	\$20.12
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	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
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	*	*	*
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	12,830	13,580	750	5.8%	80	210	290		\$38,723	\$12.39	\$21.73
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	1,020	1,050	30	2.9%	<5	20	20	Work experience in a related occupation	\$53,982	\$18.32	\$29.77
49-2011	Computer, Automated Teller, and Office Machine Repairers	130	130	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$29,427	\$9.73	\$16.36
49-2021	Radio Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	150	150	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$45,156	\$16.40	\$24.36
49-2091	Avionics Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2092	Electric Motor, Power Tool, and Related Repairers	60	60	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$39,176	\$15.44	\$20.53
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	90	100	10	11.1%	<5	<5	<5	Postsecondary vocational training	\$38,848	\$15.85	\$20.09

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	180	190	10	5.6%	<5	10	10	Postsecondary vocational training	\$44,823	\$17.55	\$23.55
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	*	*	*	*	0	<5	<5	Postsecondary vocational training	*	*	*
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	30	40	10	33.3%	<5	<5	<5	Postsecondary vocational training	\$29,214	\$10.81	\$15.66
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	60	60	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$32,038	\$12.52	\$16.84
49-2098	Security and Fire Alarm Systems Installers	60	60	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$30,148	\$12.79	\$15.35
49-3011	Aircraft Mechanics and Service Technicians	70	80	10	14.3%	<5	<5	<5	Postsecondary vocational training	\$41,653	\$15.97	\$22.05
49-3021	Automotive Body and Related Repairers	320	340	20	6.3%	<5	10	10	Long-term on-the-job training	\$32,809	\$11.92	\$17.70
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3023	Automotive Service Technicians and Mechanics	1,320	1,430	110	8.3%	10	30	40	Postsecondary vocational training	\$33,831	\$10.97	\$18.91
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	660	720	60	9.1%	10	10	20	Postsecondary vocational training	\$37,398	\$13.69	\$20.12
49-3041	Farm Equipment Mechanics	190	200	10	5.3%	<5	<5	<5	Long-term on-the-job training	\$32,725	\$11.85	\$17.68
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	250	280	30	12.0%	<5	10	10	Long-term on-the-job training	\$39,960	\$15.61	\$21.01
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3051	Motorboat Mechanics	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$32,444	\$11.36	\$17.72
49-3052	Motorcycle Mechanics	70	70	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$34,315	\$14.86	\$17.31
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	110	110	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,171	\$10.13	\$14.53
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-3092	Recreational Vehicle Service Technicians	50	50	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$32,638	\$11.82	\$17.63
49-3093	Tire Repairers and Changers	180	210	30	16.7%	<5	<5	<5	Short-term on-the-job training	\$20,252	\$7.55	\$10.83
49-9011	Mechanical Door Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	260	260	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$52,102	\$21.18	\$26.99
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	540	590	50	9.3%	10	10	20	Long-term on-the-job training	\$38,113	\$13.08	\$20.95
49-9031	Home Appliance Repairers	80	70	-10	-12.5%	0	<5	<5	Long-term on-the-job training	\$34,019	\$10.90	\$19.08
49-9041	Industrial Machinery Mechanics	1,240	1,380	140	11.3%	10	20	30	Long-term on-the-job training	\$43,555	\$15.92	\$23.45
49-9042	Maintenance and Repair Workers, General	3,040	3,180	140	4.6%	10	10	20	Long-term on-the-job training	\$34,762	\$11.73	\$19.20
49-9043	Maintenance Workers, Machinery	360	340	-20	-5.6%	0	10	10	Moderate-term on-the-job training	\$37,843	\$13.25	\$20.66
49-9044	Millwrights	260	270	10	3.8%	<5	<5	<5	Long-term on-the-job training	\$47,089	\$19.29	\$24.31
49-9045	Refractory Materials Repairers, Except Brickmasons	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$48,013	\$19.45	\$24.90
49-9051	Electrical Power-Line Installers and Repairers	580	610	30	5.2%	<5	20	20	Long-term on-the-job training	\$57,573	\$18.61	\$32.21
49-9052	Telecommunications Line Installers and Repairers	*	*	*	*	<5	<5	<5	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	50	60	10	20.0%	<5	<5	<5	Associate degree	\$43,942	\$16.54	\$23.42

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49-9063	Musical Instrument Repairers and Tuners	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-9069	Precision Instrument and Equipment Repairers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	130	120	-10	-7.7%	0	<5	<5	Moderate-term on-the-job training	\$30,746	\$11.67	\$16.34
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	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$32,460	\$13.53	\$16.64
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	<5	<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	310	340	30	9.7%	<5	10	10	Short-term on-the-job training	\$23,215	\$7.85	\$12.82
49-9099	Installation, Maintenance, and Repair Workers, All Other	400	440	40	10.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,922	\$9.60	\$14.61
51-0000	Production Occupations	49,400	49,870	470	1.0%	50	1,000	1,050		\$31,700	\$10.09	\$17.82
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	3,060	3,070	10	0.3%	<5	50	50	Work experience in a related occupation	\$51,174	\$16.88	\$28.46
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	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
51-2022	Electrical and Electronic Equipment Assemblers	240	190	-50	-20.8%	0	<5	<5	Short-term on-the-job training	\$32,149	\$10.28	\$18.04
51-2023	Electromechanical Equipment Assemblers	120	110	-10	-8.3%	0	<5	<5	Short-term on-the-job training	\$35,234	\$12.35	\$19.24
51-2031	Engine and Other Machine Assemblers	150	140	-10	-6.7%	0	<5	<5	Short-term on-the-job training	\$41,017	\$16.00	\$21.58
51-2041	Structural Metal Fabricators and Fitters	670	710	40	6.0%	<5	10	10	Moderate-term on-the-job training	\$32,001	\$12.28	\$16.94
51-2091	Fiberglass Laminators and Fabricators	690	780	90	13.0%	10	10	20	Moderate-term on-the-job training	\$28,100	\$10.45	\$15.04
51-2092	Team Assemblers	4,900	5,080	180	3.7%	20	100	120	Moderate-term on-the-job training	\$24,176	\$8.60	\$13.14
51-2093	Timing Device Assemblers, Adjusters, and Calibrators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-2099	Assemblers and Fabricators, All Other	1,400	1,330	-70	-5.0%	0	30	30	Moderate-term on-the-job training	\$31,257	\$12.58	\$16.25
51-3011	Bakers	470	510	40	8.5%	<5	10	10	Long-term on-the-job training	\$22,774	\$8.31	\$12.27
51-3021	Butchers and Meat Cutters	420	440	20	4.8%	<5	10	10	Long-term on-the-job training	\$30,557	\$10.47	\$16.80
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	310	340	30	9.7%	<5	10	10	Short-term on-the-job training	\$22,529	\$9.01	\$11.74
51-3023	Slaughterers and Meat Packers	730	800	70	9.6%	10	20	30	Moderate-term on-the-job training	\$23,110	\$8.75	\$12.29
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	90	90	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$27,704	\$10.13	\$14.92
51-3092	Food Batchmakers	680	720	40	5.9%	<5	20	20	Short-term on-the-job training	\$27,633	\$10.18	\$14.84
51-3093	Food Cooking Machine Operators and Tenders	230	220	-10	-4.3%	0	10	10	Short-term on-the-job training	\$27,280	\$8.75	\$15.30
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	1,090	1,170	80	7.3%	10	10	20	Moderate-term on-the-job training	\$35,005	\$13.79	\$18.35
51-4012	Numerical Tool and Process Control Programmers	110	110	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$40,574	\$15.01	\$21.75
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	320	330	10	3.1%	<5	10	10	Moderate-term on-the-job training	\$29,222	\$10.54	\$15.80

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51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	0	10	10	Moderate-term on-the-job training	*	*	*
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	100	100	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$33,159	\$15.02	\$16.40
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	1,430	1,300	-130	-9.1%	0	30	30	Moderate-term on-the-job training	\$30,255	\$10.99	\$16.32
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	310	280	-30	-9.7%	0	10	10	Moderate-term on-the-job training	\$27,065	\$9.97	\$14.53
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	940	880	-60	-6.4%	0	10	10	Moderate-term on-the-job training	\$31,422	\$12.22	\$16.55
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	450	390	-60	-13.3%	0	10	10	Moderate-term on-the-job training	\$30,980	\$11.84	\$16.42
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-4041	Machinists	1,860	1,940	80	4.3%	10	30	40	Long-term on-the-job training	\$35,534	\$13.24	\$19.00
51-4051	Metal-Refining Furnace Operators and Tenders	130	130	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$32,132	\$12.44	\$16.95
51-4052	Pourers and Casters, Metal	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-4061	Model Makers, Metal and Plastic	50	50	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$35,489	\$14.78	\$18.20
51-4062	Patternmakers, Metal and Plastic	190	210	20	10.5%	<5	<5	<5	Long-term on-the-job training	\$41,576	\$15.37	\$22.30
51-4071	Foundry Mold and Coremakers	310	280	-30	-9.7%	0	10	10	Moderate-term on-the-job training	\$33,011	\$12.23	\$17.69
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,430	1,400	-30	-2.1%	0	30	30	Moderate-term on-the-job training	\$29,375	\$10.02	\$16.18
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	700	790	90	12.9%	10	10	20	Moderate-term on-the-job training	\$32,453	\$11.21	\$17.80
51-4111	Tool and Die Makers	440	440	0	0.0%	<5	10	10	Long-term on-the-job training	\$41,330	\$17.02	\$21.29
51-4121	Welders, Cutters, Solderers, and Brazers	1,540	1,670	130	8.4%	10	30	40	Postsecondary vocational training	\$34,058	\$13.76	\$17.68
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	310	360	50	16.1%	10	10	20	Postsecondary vocational training	\$30,666	\$9.58	\$17.32
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-4192	Lay-Out Workers, Metal and Plastic	100	90	-10	-10.0%	0	<5	<5	Moderate-term on-the-job training	\$34,497	\$12.80	\$18.48
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	170	180	10	5.9%	<5	10	10	Moderate-term on-the-job training	\$31,176	\$11.48	\$16.74
51-4194	Tool Grinders, Filers, and Sharpeners	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-4199	Metal Workers and Plastic Workers, All Other	240	190	-50	-20.8%	0	<5	<5	Moderate-term on-the-job training	\$34,225	\$12.88	\$18.24
51-5011	Bindery Workers	560	570	10	1.8%	<5	10	10	Moderate-term on-the-job training	\$29,168	\$9.88	\$16.09
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-5021	Job Printers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-5022	Prepress Technicians and Workers	330	300	-30	-9.1%	0	10	10	Postsecondary vocational training	\$30,993	\$11.49	\$16.61

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51-5023	Printing Machine Operators	1,030	1,100	70	6.8%	10	20	30	Moderate-term on-the-job training	\$37,791	\$12.16	\$21.17
51-6011	Laundry and Dry-Cleaning Workers	490	520	30	6.1%	<5	10	10	Moderate-term on-the-job training	\$20,654	\$7.90	\$10.94
51-6021	Pressers, Textile, Garment, and Related Materials	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-6031	Sewing Machine Operators	350	340	-10	-2.9%	0	<5	<5	Moderate-term on-the-job training	\$22,732	\$8.53	\$12.13
51-6041	Shoe and Leather Workers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-6042	Shoe Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-6051	Sewers, Hand	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
51-6052	Tailors, Dressmakers, and Custom Sewers	50	50	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$22,227	\$8.84	\$11.61
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,088	\$10.11	\$15.20
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	*	*	*	*	0	<5	<5	Long-term on-the-job training	*	*	*
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-6092	Fabric and Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-6093	Upholsterers	110	100	-10	-9.1%	0	<5	<5	Long-term on-the-job training	\$29,133	\$10.78	\$15.62
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-7011	Cabinetmakers and Bench Carpenters	640	760	120	18.8%	10	20	30	Long-term on-the-job training	\$29,691	\$11.45	\$15.69
51-7021	Furniture Finishers	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$28,843	\$10.24	\$15.68
51-7031	Model Makers, Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-7032	Patternmakers, Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	390	420	30	7.7%	<5	10	10	Moderate-term on-the-job training	\$24,889	\$9.48	\$13.21
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	580	650	70	12.1%	10	10	20	Moderate-term on-the-job training	\$26,362	\$9.47	\$14.27
51-7099	Woodworkers, All Other	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,578	\$9.14	\$14.60
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	130	120	-10	-7.7%	0	<5	<5	Long-term on-the-job training	\$41,043	\$14.08	\$22.56
51-8031	Water and Liquid Waste Treatment Plant and System Operators	290	300	10	3.4%	<5	10	10	Long-term on-the-job training	\$41,505	\$16.59	\$21.64
51-8091	Chemical Plant and System Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8092	Gas Plant Operators	*	*	*	*	0	<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	*	*	*	*	0	<5	<5	Long-term on-the-job training	*	*	*

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51-9011	Chemical Equipment Operators and Tenders	150	150	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$39,179	\$14.72	\$20.90
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	280	270	-10	-3.6%	0	10	10	Moderate-term on-the-job training	\$33,259	\$10.83	\$18.57
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	200	180	-20	-10.0%	0	<5	<5	Moderate-term on-the-job training	\$34,420	\$11.43	\$19.11
51-9022	Grinding and Polishing Workers, Hand	350	350	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$30,396	\$10.97	\$16.44
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	730	700	-30	-4.1%	0	10	10	Moderate-term on-the-job training	\$32,253	\$10.88	\$17.82
51-9031	Cutters and Trimmers, Hand	210	250	40	19.0%	<5	<5	<5	Short-term on-the-job training	\$30,420	\$12.01	\$15.93
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	640	630	-10	-1.6%	0	10	10	Moderate-term on-the-job training	\$33,918	\$12.96	\$17.98
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	260	270	10	3.8%	<5	10	10	Moderate-term on-the-job training	\$25,433	\$7.90	\$14.39
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	120	120	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,669	\$13.64	\$18.18
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	2,380	2,430	50	2.1%	10	40	50	Moderate-term on-the-job training	\$30,569	\$10.97	\$16.56
51-9071	Jewelers and Precious Stone and Metal Workers	40	40	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$31,558	\$10.41	\$17.55
51-9081	Dental Laboratory Technicians	420	490	70	16.7%	10	10	20	Long-term on-the-job training	\$33,887	\$11.33	\$18.77
51-9082	Medical Appliance Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-9083	Ophthalmic Laboratory Technicians	140	150	10	7.1%	<5	<5	<5	Moderate-term on-the-job training	\$28,376	\$9.30	\$15.81
51-9111	Packaging and Filling Machine Operators and Tenders	1,830	1,720	-110	-6.0%	0	30	30	Short-term on-the-job training	\$23,702	\$8.00	\$13.09
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	810	800	-10	-1.2%	0	20	20	Moderate-term on-the-job training	\$28,672	\$10.21	\$15.57
51-9122	Painters, Transportation Equipment	120	130	10	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$38,732	\$15.58	\$20.14
51-9123	Painting, Coating, and Decorating Workers	110	120	10	9.1%	<5	<5	<5	Short-term on-the-job training	\$25,811	\$8.75	\$14.24
51-9131	Photographic Process Workers	40	20	-20	-50.0%	0	<5	<5	Moderate-term on-the-job training	\$27,418	\$10.22	\$14.66
51-9132	Photographic Processing Machine Operators	100	50	-50	-50.0%	0	<5	<5	Short-term on-the-job training	\$20,644	\$7.78	\$11.00
51-9141	Semiconductor Processors	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
51-9191	Cementing and Gluing Machine Operators and Tenders	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$25,245	\$9.59	\$13.41
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	\$30,954	\$13.23	\$15.71
51-9193	Cooling and Freezing Equipment Operators and Tenders	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-9194	Etchers and Engravers	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$39,826	\$14.03	\$21.71
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	170	180	10	5.9%	<5	<5	<5	Moderate-term on-the-job training	\$25,408	\$10.15	\$13.25
51-9196	Paper Goods Machine Setters, Operators, and Tenders	2,000	1,870	-130	-6.5%	0	50	50	Moderate-term on-the-job training	\$37,980	\$13.50	\$20.64
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9198	Helpers--Production Workers	2,800	2,820	20	0.7%	<5	70	70	Short-term on-the-job training	\$27,196	\$8.62	\$15.30
51-9199	Production Workers, All Other	*	*	*	*	0	40	40	Moderate-term on-the-job training	*	*	*
53-0000	Transportation and Material Moving Occupations	27,010	27,540	530	2.0%	50	590	640		\$30,382	\$8.43	\$17.70

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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	480	510	30	6.3%	<5	10	10	Work experience in a related occupation	\$42,555	\$13.63	\$23.87
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	560	600	40	7.1%	<5	10	10	Work experience in a related occupation	\$51,337	\$15.20	\$29.42
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
53-2012	Commercial Pilots	*	*	*	*	<5	<5	<5	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	50	70	20	40.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,097	\$10.20	\$15.88
53-3021	Bus Drivers, Transit and Intercity	240	260	20	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$27,701	\$9.61	\$15.17
53-3022	Bus Drivers, School	1,010	1,130	120	11.9%	10	10	20	Moderate-term on-the-job training	\$25,272	\$9.66	\$13.40
53-3031	Driver/Sales Workers	830	770	-60	-7.2%	0	20	20	Short-term on-the-job training	\$28,201	\$6.93	\$16.87
53-3032	Truck Drivers, Heavy and Tractor-Trailer	7,470	8,290	820	11.0%	80	130	210	Moderate-term on-the-job training	\$40,774	\$13.93	\$22.44
53-3033	Truck Drivers, Light or Delivery Services	2,090	2,260	170	8.1%	20	40	60	Short-term on-the-job training	\$23,021	\$7.74	\$12.73
53-3041	Taxi Drivers and Chauffeurs	400	450	50	12.5%	10	10	20	Short-term on-the-job training	\$17,181	\$6.50	\$9.14
53-3099	Motor Vehicle Operators, All Other	210	220	10	4.8%	<5	<5	<5	Short-term on-the-job training	\$18,686	\$6.58	\$10.18
53-4011	Locomotive Engineers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
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	*	*	*
53-4031	Railroad Conductors and Yardmasters	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
53-4099	Rail Transportation Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-5011	Sailors and Marine Oilers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
53-5021	Captains, Mates, and Pilots of Water Vessels	30	40	10	33.3%	<5	<5	<5	Work experience in a related occupation	\$45,282	\$13.97	\$25.67
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	170	160	-10	-5.9%	0	10	10	Short-term on-the-job training	\$21,741	\$9.38	\$10.99
53-6031	Service Station Attendants	120	140	20	16.7%	<5	10	10	Short-term on-the-job training	\$18,913	\$7.53	\$9.87
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	60	60	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$29,767	\$8.66	\$17.13
53-7011	Conveyor Operators and Tenders	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
53-7021	Crane and Tower Operators	80	80	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$42,121	\$14.31	\$23.22
53-7032	Excavating and Loading Machine and Dragline Operators	90	100	10	11.1%	<5	<5	<5	Moderate-term on-the-job training	\$42,014	\$12.73	\$23.93
53-7033	Loading Machine Operators, Underground Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7041	Hoist and Winch Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7051	Industrial Truck and Tractor Operators	1,910	1,780	-130	-6.8%	0	50	50	Short-term on-the-job training	\$29,538	\$10.70	\$15.95

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53-7061	Cleaners of Vehicles and Equipment	940	1,000	60	6.4%	10	40	50	Short-term on-the-job training	\$19,395	\$6.43	\$10.77
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	6,250	6,030	-220	-3.5%	0	200	200	Short-term on-the-job training	\$24,081	\$7.76	\$13.49
53-7063	Machine Feeders and Offbearers	800	720	-80	-10.0%	0	10	10	Short-term on-the-job training	\$26,363	\$8.80	\$14.61
53-7064	Packers and Packagers, Hand	2,620	2,260	-360	-13.7%	0	30	30	Short-term on-the-job training	\$18,674	\$6.82	\$10.06
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	150	160	10	6.7%	<5	<5	<5	Short-term on-the-job training	\$24,326	\$8.64	\$13.22
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	130	120	-10	-7.7%	0	<5	<5	Moderate-term on-the-job training	\$23,770	\$8.04	\$13.12

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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