

WDA 10 South Central Occupational Projections, 2006-2016

(Columbia, Dane, Dodge, Jefferson, Marquette, and Sauk 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	453,910	493,630	39,720	8.8%	3,970	10,070	14,040		\$37,884	\$9.01	\$22.81
11-0000	Management Occupations	16,560	17,490	930	5.6%	90	380	470		\$85,856	\$22.49	\$50.67
11-1011	Chief Executives	680	660	-20	-2.9%	0	20	20	Bachelor's or higher degree, plus work experience	\$149,922	\$44.36	\$85.94
11-1021	General and Operations Managers	4,280	4,240	-40	-0.9%	0	100	100	Bachelor's or higher degree, plus work experience	\$97,072	\$24.55	\$57.73
11-1031	Legislators	770	730	-40	-5.2%	0	20	20	Bachelor's or higher degree, plus work experience	\$23,114	*	*
11-2011	Advertising and Promotions Managers	90	90	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$67,844	\$21.06	\$38.40
11-2021	Marketing Managers	280	310	30	10.7%	<5	10	10	Bachelor's or higher degree, plus work experience	\$90,247	\$26.37	\$51.90
11-2022	Sales Managers	740	810	70	9.5%	10	20	30	Bachelor's or higher degree, plus work experience	\$87,636	\$24.99	\$50.71
11-2031	Public Relations Managers	120	140	20	16.7%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$95,940	\$23.03	\$57.67
11-3011	Administrative Services Managers	550	590	40	7.3%	<5	20	20	Bachelor's or higher degree, plus work experience	\$69,118	\$21.56	\$39.07
11-3021	Computer and Information Systems Managers	860	970	110	12.8%	10	10	20	Bachelor's or higher degree, plus work experience	\$90,555	\$31.82	\$49.40
11-3031	Financial Managers	1,000	1,100	100	10.0%	10	20	30	Bachelor's or higher degree, plus work experience	\$96,602	\$27.86	\$55.74
11-3041	Compensation and Benefits Managers	120	130	10	8.3%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$81,828	\$26.22	\$45.90
11-3042	Training and Development Managers	80	90	10	12.5%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$79,683	\$28.16	\$43.38
11-3049	Human Resources Managers, All Other	160	170	10	6.3%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$84,480	\$26.80	\$47.52
11-3051	Industrial Production Managers	640	660	20	3.1%	<5	20	20	Bachelor's or higher degree, plus work experience	\$73,781	\$24.87	\$40.77
11-3061	Purchasing Managers	180	190	10	5.6%	<5	10	10	Bachelor's or higher degree, plus work experience	\$75,677	\$24.40	\$42.37
11-3071	Transportation, Storage, and Distribution Managers	210	230	20	9.5%	<5	10	10	Work experience in a related occupation	\$67,087	\$22.13	\$37.31
11-9011	Farm, Ranch, and Other Agricultural Managers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
11-9021	Construction Managers	460	540	80	17.4%	10	10	20	Bachelor's degree	\$87,830	\$23.60	\$51.54
11-9031	Education Administrators, Preschool and Child Care Center/Program	240	270	30	12.5%	<5	10	10	Bachelor's or higher degree, plus work experience	\$36,717	\$13.35	\$19.81
11-9032	Education Administrators, Elementary and Secondary School	740	750	10	1.4%	<5	20	20	Bachelor's or higher degree, plus work experience	\$75,797	*	*
11-9033	Education Administrators, Postsecondary	590	630	40	6.8%	<5	20	20	Bachelor's or higher degree, plus work experience	\$80,550	\$25.62	\$45.28
11-9039	Education Administrators, All Other	90	100	10	11.1%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$63,113	\$24.16	\$33.43
11-9041	Engineering Managers	530	570	40	7.5%	<5	10	10	Bachelor's or higher degree, plus work experience	\$90,226	\$33.13	\$48.50
11-9051	Food Service Managers	570	600	30	5.3%	<5	10	10	Work experience in a related occupation	\$40,015	\$12.69	\$22.51
11-9061	Funeral Directors	90	100	10	11.1%	<5	<5	<5	Associate degree	\$46,148	\$13.15	\$26.71
11-9071	Gaming Managers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
11-9081	Lodging Managers	100	120	20	20.0%	<5	<5	<5	Work experience in a related occupation	\$56,737	\$16.70	\$32.57
11-9111	Medical and Health Services Managers	570	670	100	17.5%	10	10	20	Bachelor's or higher degree, plus work experience	\$83,836	\$23.72	\$48.60
11-9121	Natural Sciences Managers	150	160	10	6.7%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$95,860	\$29.51	\$54.38
11-9131	Postmasters and Mail Superintendents	*	*	*	*	0	<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	150	180	30	20.0%	<5	<5	<5	Bachelor's degree	\$85,747	\$24.29	\$49.69
11-9151	Social and Community Service Managers	400	460	60	15.0%	10	10	20	Bachelor's degree	\$51,800	\$16.42	\$29.14
11-9199	Managers, All Other	1,040	1,110	70	6.7%	10	20	30	Work experience in a related occupation	\$86,758	\$27.41	\$48.86
13-0000	Business and Financial Operations Occupations	21,580	24,160	2,580	12.0%	260	380	640		\$53,436	\$15.96	\$30.56
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	20	20	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$25,228	\$10.03	\$13.18
13-1021	Purchasing Agents and Buyers, Farm Products	80	80	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$41,976	\$15.37	\$22.59
13-1022	Wholesale and Retail Buyers, Except Farm Products	340	320	-20	-5.9%	0	10	10	Bachelor's degree	\$48,048	\$14.09	\$27.60
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	1,030	1,060	30	2.9%	<5	20	20	Bachelor's degree	\$47,565	\$16.23	\$26.19
13-1031	Claims Adjusters, Examiners, and Investigators	1,480	1,580	100	6.8%	10	40	50	Long-term on-the-job training	\$51,979	\$16.58	\$29.19
13-1032	Insurance Appraisers, Auto Damage	60	70	10	16.7%	<5	<5	<5	Postsecondary vocational training	\$46,496	\$17.72	\$24.67
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	910	940	30	3.3%	<5	10	10	Long-term on-the-job training	\$50,968	\$14.42	\$29.55
13-1051	Cost Estimators	750	880	130	17.3%	10	20	30	Bachelor's degree	\$58,191	\$17.88	\$33.02
13-1061	Emergency Management Specialists	50	60	10	20.0%	<5	<5	<5	Work experience in a related occupation	\$50,964	\$16.40	\$28.55
13-1071	Employment, Recruitment, and Placement Specialists	480	560	80	16.7%	10	10	20	Bachelor's degree	\$43,880	\$15.14	\$24.07
13-1072	Compensation, Benefits, and Job Analysis Specialists	450	500	50	11.1%	10	10	20	Bachelor's degree	\$52,471	\$17.69	\$28.99
13-1073	Training and Development Specialists	720	790	70	9.7%	10	20	30	Bachelor's or higher degree, plus work experience	\$43,510	\$14.06	\$24.35
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	1,670	1,800	130	7.8%	10	40	50	Bachelor's degree	\$50,072	\$13.48	\$29.37
13-1081	Logisticians	200	230	30	15.0%	<5	<5	<5	Bachelor's degree	\$58,681	\$21.79	\$31.42
13-1111	Management Analysts	1,230	1,330	100	8.1%	10	20	30	Bachelor's or higher degree, plus work experience	\$59,114	\$19.04	\$33.11
13-1121	Meeting and Convention Planners	160	180	20	12.5%	<5	<5	<5	Bachelor's degree	\$41,780	\$15.19	\$22.53
13-1199	Business Operations Specialists, All Other	4,170	4,960	790	18.9%	80	50	130	Bachelor's degree	\$53,081	\$13.20	\$31.68
13-2011	Accountants and Auditors	3,680	4,220	540	14.7%	50	70	120	Bachelor's degree	\$58,364	\$19.62	\$32.28
13-2021	Appraisers and Assessors of Real Estate	320	370	50	15.6%	10	10	20	Bachelor's degree	\$41,170	\$12.08	\$23.65
13-2031	Budget Analysts	220	220	0	0.0%	<5	10	10	Bachelor's degree	\$55,710	\$21.46	\$29.44
13-2041	Credit Analysts	150	140	-10	-6.7%	0	10	10	Bachelor's degree	\$47,087	\$16.62	\$25.65
13-2051	Financial Analysts	360	450	90	25.0%	10	<5	10	Bachelor's degree	\$59,393	\$18.59	\$33.54
13-2052	Personal Financial Advisors	260	370	110	42.3%	10	<5	10	Bachelor's degree	\$73,021	\$21.27	\$42.03
13-2053	Insurance Underwriters	680	740	60	8.8%	10	20	30	Bachelor's degree	\$48,178	\$16.28	\$26.60
13-2061	Financial Examiners	120	120	0	0.0%	<5	<5	<5	Bachelor's degree	\$74,835	\$22.12	\$42.91
13-2071	Loan Counselors	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$38,485	\$11.10	\$22.20
13-2072	Loan Officers	1,250	1,420	170	13.6%	20	10	30	Bachelor's degree	\$55,447	\$17.44	\$31.26
13-2081	Tax Examiners, Collectors, and Revenue Agents	*	*	*	*	<5	10	10	Bachelor's degree	*	*	*
13-2082	Tax Preparers	250	240	-10	-4.0%	0	<5	<5	Moderate-term on-the-job training	\$46,125	\$14.99	\$25.77
13-2099	Financial Specialists, All Other	250	280	30	12.0%	<5	10	10	Bachelor's degree	\$54,379	\$17.60	\$30.42

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15-0000	Computer and Mathematical Occupations	10,400	12,590	2,190	21.1%	220	230	450		\$60,360	\$18.18	\$34.44
15-1011	Computer and Information Scientists, Research	30	40	10	33.3%	<5	<5	<5	Doctoral degree	\$74,075	\$28.80	\$39.02
15-1021	Computer Programmers	1,110	1,020	-90	-8.1%	0	20	20	Bachelor's degree	\$54,346	\$16.49	\$30.95
15-1031	Computer Software Engineers, Applications	1,970	2,770	800	40.6%	80	30	110	Bachelor's degree	\$71,781	\$22.11	\$40.71
15-1032	Computer Software Engineers, Systems Software	680	880	200	29.4%	20	10	30	Bachelor's degree	\$83,476	\$27.82	\$46.29
15-1041	Computer Support Specialists	1,790	1,960	170	9.5%	20	60	80	Associate degree	\$40,574	\$13.89	\$22.32
15-1051	Computer Systems Analysts	2,150	2,560	410	19.1%	40	60	100	Bachelor's degree	\$64,044	\$23.46	\$34.46
15-1061	Database Administrators	330	410	80	24.2%	10	<5	10	Bachelor's degree	\$63,205	\$21.10	\$35.03
15-1071	Network and Computer Systems Administrators	970	1,160	190	19.6%	20	20	40	Bachelor's degree	\$58,797	\$20.58	\$32.11
15-1081	Network Systems and Data Communications Analysts	830	1,190	360	43.4%	40	20	60	Bachelor's degree	\$56,943	\$19.37	\$31.38
15-1099	Computer Specialists, All Other	240	270	30	12.5%	<5	10	10	Associate degree	\$52,608	\$12.80	\$31.54
15-2011	Actuaries	140	160	20	14.3%	<5	10	10	Bachelor's or higher degree, plus work experience	\$79,535	\$24.21	\$45.25
15-2021	Mathematicians	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
15-2031	Operations Research Analysts	80	90	10	12.5%	<5	<5	<5	Master's degree	\$52,678	\$18.50	\$28.74
15-2041	Statisticians	60	60	0	0.0%	<5	<5	<5	Master's degree	\$63,239	\$20.34	\$35.44
15-2091	Mathematical Technicians	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
17-0000	Architecture and Engineering Occupations	8,760	9,450	690	7.9%	70	210	280		\$57,727	\$17.72	\$32.77
17-1011	Architects, Except Landscape and Naval	390	420	30	7.7%	<5	10	10	Bachelor's degree	\$60,583	\$16.85	\$35.27
17-1012	Landscape Architects	100	110	10	10.0%	<5	<5	<5	Bachelor's degree	\$51,463	\$20.29	\$26.97
17-1021	Cartographers and Photogrammetrists	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$43,733	\$15.09	\$23.99
17-1022	Surveyors	350	390	40	11.4%	<5	10	10	Bachelor's degree	\$58,888	\$17.86	\$33.54
17-2011	Aerospace Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2021	Agricultural Engineers	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$68,245	\$25.12	\$36.66
17-2031	Biomedical Engineers	70	90	20	28.6%	<5	<5	<5	Bachelor's degree	\$74,154	\$24.55	\$41.20
17-2041	Chemical Engineers	90	100	10	11.1%	<5	<5	<5	Bachelor's degree	\$77,784	\$26.60	\$42.80
17-2051	Civil Engineers	1,130	1,210	80	7.1%	10	30	40	Bachelor's degree	\$67,562	\$23.11	\$37.17
17-2061	Computer Hardware Engineers	170	190	20	11.8%	<5	10	10	Bachelor's degree	\$61,377	\$18.23	\$35.14
17-2071	Electrical Engineers	640	680	40	6.3%	<5	20	20	Bachelor's degree	\$63,350	\$22.79	\$34.29
17-2072	Electronics Engineers, Except Computer	320	330	10	3.1%	<5	10	10	Bachelor's degree	\$61,787	\$19.16	\$34.98
17-2081	Environmental Engineers	310	340	30	9.7%	<5	10	10	Bachelor's degree	\$65,855	\$24.96	\$35.01
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$59,833	\$21.05	\$32.63
17-2112	Industrial Engineers	610	770	160	26.2%	20	20	40	Bachelor's degree	\$61,026	\$23.12	\$32.45
17-2121	Marine Engineers and Naval Architects	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2131	Materials Engineers	80	90	10	12.5%	<5	<5	<5	Bachelor's degree	\$67,591	\$25.08	\$36.21
17-2141	Mechanical Engineers	1,070	1,130	60	5.6%	10	20	30	Bachelor's degree	\$65,992	\$22.82	\$36.18
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*

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17-2161	Nuclear Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2199	Engineers, All Other	250	270	20	8.0%	<5	<5	<5	Bachelor's degree	\$89,718	\$25.84	\$51.78
17-3011	Architectural and Civil Drafters	430	420	-10	-2.3%	0	10	10	Postsecondary vocational training	\$43,324	\$15.31	\$23.59
17-3012	Electrical and Electronics Drafters	130	130	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$47,246	\$16.98	\$25.58
17-3013	Mechanical Drafters	550	570	20	3.6%	<5	20	20	Postsecondary vocational training	\$42,252	\$14.79	\$23.08
17-3019	Drafters, All Other	60	70	10	16.7%	<5	<5	<5	Postsecondary vocational training	\$33,009	\$11.43	\$18.09
17-3021	Aerospace Engineering and Operations Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
17-3022	Civil Engineering Technicians	500	500	0	0.0%	<5	10	10	Associate degree	\$41,512	\$15.51	\$22.18
17-3023	Electrical and Electronic Engineering Technicians	520	540	20	3.8%	<5	10	10	Associate degree	\$48,764	\$17.37	\$26.48
17-3024	Electro-Mechanical Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
17-3025	Environmental Engineering Technicians	50	60	10	20.0%	<5	<5	<5	Associate degree	\$46,949	\$17.36	\$25.18
17-3026	Industrial Engineering Technicians	200	230	30	15.0%	<5	<5	<5	Associate degree	\$42,887	\$15.54	\$23.16
17-3027	Mechanical Engineering Technicians	230	250	20	8.7%	<5	10	10	Associate degree	\$39,028	\$12.69	\$21.80
17-3029	Engineering Technicians, Except Drafters, All Other	110	120	10	9.1%	<5	<5	<5	Associate degree	\$47,050	\$16.13	\$25.86
17-3031	Surveying and Mapping Technicians	230	250	20	8.7%	<5	<5	<5	Moderate-term on-the-job training	\$33,541	\$12.15	\$18.11
19-0000	Life, Physical, and Social Science Occupations	5,620	6,180	560	10.0%	60	140	200		\$49,737	\$15.39	\$28.17
19-1011	Animal Scientists	20	30	10	50.0%	<5	<5	<5	Bachelor's degree	\$54,404	\$18.87	\$29.80
19-1012	Food Scientists and Technologists	80	80	0	0.0%	<5	<5	<5	Bachelor's degree	\$48,622	\$17.78	\$26.18
19-1013	Soil and Plant Scientists	90	90	0	0.0%	<5	<5	<5	Bachelor's degree	\$46,197	\$17.82	\$24.40
19-1021	Biochemists and Biophysicists	120	140	20	16.7%	<5	<5	<5	Doctoral degree	\$56,292	\$18.97	\$31.11
19-1022	Microbiologists	190	250	60	31.6%	10	<5	10	Doctoral degree	\$50,701	\$18.68	\$27.22
19-1023	Zoologists and Wildlife Biologists	110	110	0	0.0%	<5	<5	<5	Doctoral degree	\$45,143	\$17.70	\$23.70
19-1029	Biological Scientists, All Other	120	120	0	0.0%	<5	<5	<5	Doctoral degree	\$47,765	\$19.01	\$24.94
19-1031	Conservation Scientists	250	230	-20	-8.0%	0	10	10	Bachelor's degree	\$60,643	\$21.84	\$32.81
19-1032	Foresters	150	160	10	6.7%	<5	10	10	Bachelor's degree	\$43,681	\$18.41	\$22.30
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-1042	Medical Scientists, Except Epidemiologists	350	400	50	14.3%	10	10	20	Doctoral degree	\$51,574	\$18.33	\$28.03
19-1099	Life Scientists, All Other	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$48,740	\$17.61	\$26.34
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-2012	Physicists	60	70	10	16.7%	<5	<5	<5	Doctoral degree	\$52,999	\$19.85	\$28.29
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-2031	Chemists	450	520	70	15.6%	10	10	20	Bachelor's degree	\$48,923	\$15.85	\$27.36
19-2032	Materials Scientists	120	140	20	16.7%	<5	<5	<5	Bachelor's degree	\$71,187	\$18.28	\$42.20
19-2041	Environmental Scientists and Specialists, Including Health	340	370	30	8.8%	<5	10	10	Master's degree	\$49,917	\$18.31	\$26.84
19-2042	Geoscientists, Except Hydrologists and Geographers	40	50	10	25.0%	<5	<5	<5	Master's degree	\$74,909	\$19.65	\$44.19
19-2043	Hydrologists	120	120	0	0.0%	<5	<5	<5	Master's degree	\$73,647	\$27.47	\$39.38
19-2099	Physical Scientists, All Other	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$44,891	\$19.17	\$22.79
19-3011	Economists	60	60	0	0.0%	<5	<5	<5	Master's degree	\$85,457	\$21.72	\$50.77
19-3021	Market Research Analysts	680	780	100	14.7%	10	10	20	Master's degree	\$61,600	\$16.98	\$35.93

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19-3022	Survey Researchers	30	40	10	33.3%	<5	<5	<5	Master's degree	\$92,338	\$33.22	\$49.98
19-3031	Clinical, Counseling, and School Psychologists	390	420	30	7.7%	<5	10	10	Doctoral degree	\$53,772	\$16.92	\$30.32
19-3039	Psychologists, All Other	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3041	Sociologists	50	50	0	0.0%	<5	<5	<5	Master's degree	\$50,063	\$18.72	\$26.74
19-3051	Urban and Regional Planners	80	90	10	12.5%	<5	<5	<5	Master's degree	\$50,849	\$10.05	\$31.65
19-3091	Anthropologists and Archeologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3092	Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3093	Historians	20	20	0	0.0%	<5	<5	<5	Master's degree	\$40,186	\$9.62	\$24.17
19-3094	Political Scientists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3099	Social Scientists and Related Workers, All Other	90	90	0	0.0%	<5	<5	<5	Master's degree	\$60,339	\$17.65	\$34.69
19-4011	Agricultural and Food Science Technicians	110	120	10	9.1%	<5	<5	<5	Associate degree	\$33,983	\$11.72	\$18.65
19-4021	Biological Technicians	280	310	30	10.7%	<5	10	10	Bachelor's degree	\$33,155	\$11.66	\$18.08
19-4031	Chemical Technicians	270	310	40	14.8%	<5	10	10	Associate degree	\$36,555	\$12.98	\$19.87
19-4041	Geological and Petroleum Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
19-4061	Social Science Research Assistants	110	120	10	9.1%	<5	<5	<5	Associate degree	\$32,815	\$14.89	\$16.22
19-4091	Environmental Science and Protection Technicians, Including Health	80	90	10	12.5%	<5	<5	<5	Associate degree	\$39,321	\$14.65	\$21.03
19-4092	Forensic Science Technicians	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-4093	Forest and Conservation Technicians	180	170	-10	-5.6%	0	10	10	Associate degree	\$35,522	\$11.82	\$19.70
19-4099	Life, Physical, and Social Science Technicians, All Other	360	380	20	5.6%	<5	10	10	Associate degree	\$34,489	\$14.30	\$17.72
21-0000	Community and Social Services Occupations	15,670	17,940	2,270	14.5%	230	250	480		\$40,885	\$12.05	\$23.46
21-1011	Substance Abuse and Behavioral Disorder Counselors	220	280	60	27.3%	10	<5	10	Master's degree	\$40,311	\$15.37	\$21.39
21-1012	Educational, Vocational, and School Counselors	640	670	30	4.7%	<5	10	10	Master's degree	\$46,913	\$13.99	\$26.84
21-1013	Marriage and Family Therapists	120	150	30	25.0%	<5	<5	<5	Master's degree	\$35,255	\$11.92	\$19.46
21-1014	Mental Health Counselors	230	280	50	21.7%	10	10	20	Master's degree	\$40,976	\$10.57	\$24.26
21-1015	Rehabilitation Counselors	400	450	50	12.5%	10	10	20	Master's degree	\$29,850	\$9.67	\$16.69
21-1019	Counselors, All Other	270	270	0	0.0%	<5	10	10	Master's degree	\$42,608	\$12.82	\$24.32
21-1021	Child, Family, and School Social Workers	1,150	1,270	120	10.4%	10	20	30	Master's degree	\$49,839	\$16.35	\$27.77
21-1022	Medical and Public Health Social Workers	330	410	80	24.2%	10	10	20	Master's degree	\$43,797	\$16.23	\$23.47
21-1023	Mental Health and Substance Abuse Social Workers	320	390	70	21.9%	10	10	20	Master's degree	\$54,791	\$16.85	\$31.09
21-1029	Social Workers, All Other	160	170	10	6.3%	<5	<5	<5	Master's degree	\$53,272	\$17.47	\$29.68
21-1091	Health Educators	170	200	30	17.6%	<5	<5	<5	Master's degree	\$41,504	\$13.19	\$23.34
21-1092	Probation Officers and Correctional Treatment Specialists	*	*	*	*	<5	10	10	Bachelor's degree	*	*	*
21-1093	Social and Human Service Assistants	1,070	1,340	270	25.2%	30	10	40	Moderate-term on-the-job training	\$29,885	\$9.99	\$16.56
21-1099	Community and Social Service Specialists, All Other	480	580	100	20.8%	10	10	20	Bachelor's degree	\$34,506	\$11.36	\$19.21
21-2011	Clergy	6,880	7,850	970	14.1%	100	90	190	Master's degree	\$44,509	\$17.12	\$23.54
21-2021	Directors, Religious Activities and Education	*	*	*	*	30	40	70	Bachelor's degree	*	*	*
21-2099	Religious Workers, All Other	*	*	*	*	10	10	20	Bachelor's degree	*	*	*
23-0000	Legal Occupations	2,770	3,040	270	9.7%	30	50	80		\$79,379	\$17.43	\$48.53

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23-1011	Lawyers	1,630	1,810	180	11.0%	20	30	50	First professional degree	\$105,844	\$25.40	\$63.63
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	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
23-1023	Judges, Magistrate Judges, and Magistrates	180	170	-10	-5.6%	0	<5	<5	Bachelor's or higher degree, plus work experience	\$101,258	\$20.72	\$62.66
23-2011	Paralegals and Legal Assistants	550	650	100	18.2%	10	10	20	Associate degree	\$48,175	\$18.08	\$25.70
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
23-2092	Law Clerks	50	40	-10	-20.0%	0	<5	<5	Bachelor's degree	\$50,319	\$21.24	\$25.67
23-2093	Title Examiners, Abstractors, and Searchers	200	190	-10	-5.0%	0	<5	<5	Moderate-term on-the-job training	\$33,015	\$11.66	\$17.98
23-2099	Legal Support Workers, All Other	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$41,952	\$14.59	\$22.96
25-0000	Education, Training, and Library Occupations	31,190	33,540	2,350	7.5%	240	610	850		\$44,806	\$11.95	\$26.34
25-1011	Business Teachers, Postsecondary	320	370	50	15.6%	10	10	20	Doctoral degree	\$85,366	*	*
25-1021	Computer Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1022	Mathematical Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
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	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
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	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
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	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
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	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1067	Sociology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1069	Social Sciences Teachers, Postsecondary, All Other	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1071	Health Specialties Teachers, Postsecondary	*	*	*	*	10	10	20	Master's degree	*	*	*
25-1072	Nursing Instructors and Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1081	Education Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1082	Library Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*

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25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
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	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
25-1122	Communications Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1123	English Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1124	Foreign Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1125	History Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1126	Philosophy and Religion Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1191	Graduate Teaching Assistants	*	*	*	*	10	10	20	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	660	760	100	15.2%	10	10	20	Work experience in a related occupation	\$63,632	\$19.06	\$36.36
25-1199	Postsecondary Teachers, All Other	510	590	80	15.7%	10	10	20	Doctoral degree	\$59,920	*	*
25-2011	Preschool Teachers, Except Special Education	2,150	2,500	350	16.3%	40	40	80	Bachelor's degree	\$23,856	\$8.34	\$13.03
25-2012	Kindergarten Teachers, Except Special Education	570	630	60	10.5%	10	10	20	Bachelor's degree	\$43,151	*	*
25-2021	Elementary School Teachers, Except Special Education	5,290	5,690	400	7.6%	40	120	160	Bachelor's degree	\$43,617	*	*
25-2022	Middle School Teachers, Except Special and Vocational Education	2,520	2,650	130	5.2%	10	60	70	Bachelor's degree	\$45,410	*	*
25-2023	Vocational Education Teachers, Middle School	90	80	-10	-11.1%	0	<5	<5	Bachelor's degree	\$53,739	*	*
25-2031	Secondary School Teachers, Except Special and Vocational Education	3,710	3,700	-10	-0.3%	0	110	110	Bachelor's degree	\$45,587	*	*
25-2032	Vocational Education Teachers, Secondary School	280	250	-30	-10.7%	0	10	10	Bachelor's degree	\$49,524	*	*
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	550	620	70	12.7%	10	10	20	Bachelor's degree	\$44,392	*	*
25-2042	Special Education Teachers, Middle School	290	310	20	6.9%	<5	10	10	Bachelor's degree	\$42,933	*	*
25-2043	Special Education Teachers, Secondary School	420	420	0	0.0%	<5	10	10	Bachelor's degree	\$49,015	*	*
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	420	420	0	0.0%	<5	<5	<5	Bachelor's degree	\$47,892	\$17.20	\$25.94
25-3021	Self-Enrichment Education Teachers	1,380	1,580	200	14.5%	20	20	40	Work experience in a related occupation	\$36,464	\$10.82	\$20.89
25-3099	Teachers and Instructors, All Other	2,300	2,390	90	3.9%	10	30	40	Bachelor's degree	\$31,887	*	*
25-4011	Archivists	40	40	0	0.0%	<5	<5	<5	Master's degree	\$45,537	\$17.63	\$24.02
25-4012	Curators	50	50	0	0.0%	<5	<5	<5	Master's degree	\$49,315	\$17.52	\$26.80
25-4013	Museum Technicians and Conservators	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
25-4021	Librarians	460	450	-10	-2.2%	0	10	10	Master's degree	\$52,005	\$18.82	\$28.09
25-4031	Library Technicians	390	400	10	2.6%	<5	20	20	Postsecondary vocational training	\$26,787	\$8.66	\$14.99
25-9011	Audio-Visual Collections Specialists	*	*	*	*	0	<5	<5	Bachelor's degree	*	*	*
25-9021	Farm and Home Management Advisors	140	130	-10	-7.1%	0	<5	<5	Bachelor's degree	\$44,029	\$14.94	\$24.28

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25-9031	Instructional Coordinators	250	280	30	12.0%	<5	<5	<5	Master's degree	\$57,837	\$20.89	\$31.27
25-9041	Teacher Assistants	4,740	4,950	210	4.4%	20	80	100	Associate degree	\$24,542	*	*
25-9099	Education, Training, and Library Workers, All Other	110	130	20	18.2%	<5	<5	<5	Bachelor's degree	\$48,838	\$16.51	\$26.96
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	7,420	8,120	700	9.4%	70	170	240		\$41,146	\$10.62	\$24.36
27-1011	Art Directors	120	130	10	8.3%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$59,052	\$16.50	\$34.33
27-1012	Craft Artists	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$29,495	\$8.99	\$16.77
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	60	60	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$33,481	\$10.84	\$18.72
27-1014	Multi-Media Artists and Animators	150	200	50	33.3%	10	<5	10	Bachelor's degree	\$46,150	\$16.04	\$25.26
27-1019	Artists and Related Workers, All Other	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$32,240	\$8.28	\$19.11
27-1021	Commercial and Industrial Designers	190	200	10	5.3%	<5	10	10	Bachelor's degree	\$54,983	\$18.76	\$30.27
27-1022	Fashion Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
27-1023	Floral Designers	180	170	-10	-5.6%	0	10	10	Moderate-term on-the-job training	\$25,447	\$9.40	\$13.65
27-1024	Graphic Designers	770	840	70	9.1%	10	20	30	Bachelor's degree	\$40,264	\$12.57	\$22.75
27-1025	Interior Designers	180	190	10	5.6%	<5	10	10	Bachelor's degree	\$42,964	\$13.72	\$24.13
27-1026	Merchandise Displayers and Window Trimmers	120	130	10	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$25,618	\$8.07	\$14.44
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	140	150	10	7.1%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$43,821	\$14.88	\$24.16
27-2021	Athletes and Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2022	Coaches and Scouts	590	650	60	10.2%	10	20	30	Long-term on-the-job training	\$29,885	*	*
27-2023	Umpires, Referees, and Other Sports Officials	100	110	10	10.0%	<5	<5	<5	Long-term on-the-job training	\$25,260	*	*
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2032	Choreographers	*	*	*	*	<5	10	10	Work experience in a related occupation	*	*	*
27-2041	Music Directors and Composers	*	*	*	*	10	10	20	Bachelor's or higher degree, plus work experience	*	*	*
27-2042	Musicians and Singers	*	*	*	*	20	20	40	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	*	\$9.62	\$16.20
27-3011	Radio and Television Announcers	150	130	-20	-13.3%	0	10	10	Long-term on-the-job training	\$22,629	\$7.88	\$12.38
27-3012	Public Address System and Other Announcers	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$29,909	\$8.75	\$17.19
27-3021	Broadcast News Analysts	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
27-3022	Reporters and Correspondents	130	140	10	7.7%	<5	<5	<5	Bachelor's degree	\$29,942	\$10.18	\$16.50
27-3031	Public Relations Specialists	970	1,090	120	12.4%	10	10	20	Bachelor's degree	\$47,683	\$13.98	\$27.40
27-3041	Editors	350	350	0	0.0%	<5	10	10	Bachelor's degree	\$53,188	\$16.37	\$30.17
27-3042	Technical Writers	130	150	20	15.4%	<5	<5	<5	Bachelor's degree	\$49,868	\$16.84	\$27.54
27-3043	Writers and Authors	200	220	20	10.0%	<5	<5	<5	Bachelor's degree	\$34,236	\$6.46	\$21.46
27-3091	Interpreters and Translators	150	190	40	26.7%	<5	<5	<5	Long-term on-the-job training	\$45,339	\$15.10	\$25.15
27-3099	Media and Communication Workers, All Other	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$58,522	\$21.36	\$31.53

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27-4011	Audio and Video Equipment Technicians	100	110	10	10.0%	<5	<5	<5	Long-term on-the-job training	\$32,890	\$11.47	\$17.99
27-4012	Broadcast Technicians	120	130	10	8.3%	<5	<5	<5	Postsecondary vocational training	\$33,246	\$9.62	\$19.17
27-4014	Sound Engineering Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
27-4021	Photographers	150	150	0	0.0%	<5	<5	<5	Bachelor's degree	\$33,567	\$10.51	\$18.95
27-4031	Camera Operators, Television, Video, and Motion Picture	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
27-4032	Film and Video Editors	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$33,920	\$10.50	\$19.21
27-4099	Media and Communication Equipment Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
29-0000	Healthcare Practitioners and Technical Occupations	20,780	25,080	4,300	20.7%	430	390	820		\$63,444	\$15.19	\$38.16
29-1011	Chiropractors	110	130	20	18.2%	<5	<5	<5	First professional degree	\$107,369	\$27.93	\$63.47
29-1021	Dentists, General	290	310	20	6.9%	<5	10	10	First professional degree	\$163,826	\$52.13	\$92.08
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1023	Orthodontists	10	20	10	100.0%	<5	<5	<5	First professional degree	\$194,165	*	*
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	170	180	10	5.9%	<5	<5	<5	Bachelor's degree	\$49,018	\$15.91	\$27.39
29-1041	Optometrists	50	60	10	20.0%	<5	<5	<5	First professional degree	\$75,597	\$27.39	\$40.82
29-1051	Pharmacists	670	790	120	17.9%	10	10	20	First professional degree	\$93,020	\$37.23	\$48.47
29-1061	Anesthesiologists	80	100	20	25.0%	<5	<5	<5	First professional degree	\$151,233	\$55.43	\$81.35
29-1062	Family and General Practitioners	360	410	50	13.9%	10	10	20	First professional degree	\$159,398	\$47.69	\$91.11
29-1063	Internists, General	210	240	30	14.3%	<5	<5	<5	First professional degree	\$175,842	*	*
29-1064	Obstetricians and Gynecologists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1066	Psychiatrists	60	70	10	16.7%	<5	<5	<5	First professional degree	\$167,699	*	*
29-1067	Surgeons	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1069	Physicians and Surgeons, All Other	570	680	110	19.3%	10	10	20	First professional degree	\$174,112	\$46.44	\$102.34
29-1071	Physician Assistants	160	210	50	31.3%	10	<5	10	Master's degree	\$76,146	\$30.19	\$39.82
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1111	Registered Nurses	7,590	9,490	1,900	25.0%	190	130	320	Associate or Bachelor's degree ⁽⁸⁾	\$59,227	\$23.11	\$31.16
29-1121	Audiologists	40	40	0	0.0%	<5	<5	<5	Doctoral degree	\$65,902	\$22.90	\$36.08
29-1122	Occupational Therapists	370	440	70	18.9%	10	10	20	Master's degree	\$53,703	\$18.74	\$29.36
29-1123	Physical Therapists	530	670	140	26.4%	10	10	20	Master's degree	\$60,944	\$23.83	\$32.03
29-1124	Radiation Therapists	70	90	20	28.6%	<5	<5	<5	Associate degree	\$62,085	\$23.39	\$33.08
29-1125	Recreational Therapists	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$35,203	\$11.63	\$19.57
29-1126	Respiratory Therapists	270	340	70	25.9%	10	<5	10	Associate degree	\$50,344	\$20.35	\$26.13
29-1127	Speech-Language Pathologists	330	350	20	6.1%	<5	10	10	Master's degree	\$49,733	\$17.18	\$27.27
29-1129	Therapists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
29-1131	Veterinarians	250	320	70	28.0%	10	10	20	First professional degree	\$71,092	\$22.72	\$39.91

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29-1199	Health Diagnosing and Treating Practitioners, All Other	80	100	20	25.0%	<5	<5	<5	First professional degree	\$62,169	\$19.99	\$34.84
29-2011	Medical and Clinical Laboratory Technologists	500	590	90	18.0%	10	10	20	Bachelor's degree	\$48,630	\$18.01	\$26.07
29-2012	Medical and Clinical Laboratory Technicians	270	320	50	18.5%	10	<5	10	Associate degree	\$36,895	\$13.81	\$19.70
29-2021	Dental Hygienists	590	770	180	30.5%	20	10	30	Associate degree	\$54,225	\$20.85	\$28.68
29-2031	Cardiovascular Technologists and Technicians	100	130	30	30.0%	<5	<5	<5	Associate degree	\$43,183	\$13.12	\$24.58
29-2032	Diagnostic Medical Sonographers	130	160	30	23.1%	<5	<5	<5	Associate degree	\$62,987	\$25.79	\$32.53
29-2033	Nuclear Medicine Technologists	50	60	10	20.0%	<5	<5	<5	Associate degree	\$64,472	\$27.27	\$32.86
29-2034	Radiologic Technologists and Technicians	680	810	130	19.1%	10	10	20	Associate degree	\$49,016	\$19.13	\$25.79
29-2041	Emergency Medical Technicians and Paramedics	1,000	1,120	120	12.0%	10	10	20	Postsecondary vocational training	\$27,550	\$7.83	\$15.95
29-2051	Dietetic Technicians	70	80	10	14.3%	<5	<5	<5	Postsecondary vocational training	\$26,448	\$9.12	\$14.51
29-2052	Pharmacy Technicians	900	1,140	240	26.7%	20	30	50	Moderate-term on-the-job training	\$27,120	\$10.17	\$14.47
29-2053	Psychiatric Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
29-2054	Respiratory Therapy Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
29-2055	Surgical Technologists	330	430	100	30.3%	10	10	20	Postsecondary vocational training	\$39,049	\$15.30	\$20.51
29-2056	Veterinary Technologists and Technicians	270	350	80	29.6%	10	10	20	Associate degree	\$31,654	\$11.82	\$16.92
29-2061	Licensed Practical and Licensed Vocational Nurses	1,560	1,710	150	9.6%	20	40	60	Postsecondary vocational training	\$37,418	\$15.30	\$19.33
29-2071	Medical Records and Health Information Technicians	500	610	110	22.0%	10	10	20	Associate degree	\$32,855	\$10.47	\$18.46
29-2081	Opticians, Dispensing	250	260	10	4.0%	<5	10	10	Long-term on-the-job training	\$29,055	\$9.77	\$16.07
29-2091	Orthotists and Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
29-2099	Health Technologists and Technicians, All Other	*	*	*	*	10	<5	10	Postsecondary vocational training	*	*	*
29-9011	Occupational Health and Safety Specialists	120	130	10	8.3%	<5	<5	<5	Bachelor's degree	\$53,654	\$19.50	\$28.95
29-9012	Occupational Health and Safety Technicians	10	20	10	100.0%	<5	<5	<5	Bachelor's degree	\$43,195	\$13.10	\$24.60
29-9091	Athletic Trainers	60	80	20	33.3%	<5	<5	<5	Bachelor's degree	\$39,464	*	*
29-9099	Healthcare Practitioners and Technical Workers, All Other	210	250	40	19.0%	<5	<5	<5	Bachelor's degree	\$36,833	\$12.73	\$20.20
31-0000	Healthcare Support Occupations	12,340	15,070	2,730	22.1%	270	130	400		\$26,059	\$9.53	\$14.03
31-1011	Home Health Aides	2,570	3,620	1,050	40.9%	110	20	130	Short-term on-the-job training	\$21,257	\$8.73	\$10.97
31-1012	Nursing Aides, Orderlies, and Attendants	5,160	5,780	620	12.0%	60	50	110	Postsecondary vocational training	\$25,909	\$10.25	\$13.56
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
31-2011	Occupational Therapist Assistants	100	110	10	10.0%	<5	<5	<5	Associate degree	\$45,265	\$14.67	\$25.31
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
31-2021	Physical Therapist Assistants	190	240	50	26.3%	10	<5	10	Associate degree	\$39,553	\$14.00	\$21.52
31-2022	Physical Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
31-9011	Massage Therapists	130	150	20	15.4%	<5	<5	<5	Postsecondary vocational training	\$41,147	\$14.18	\$22.58
31-9091	Dental Assistants	760	990	230	30.3%	20	10	30	Moderate-term on-the-job training	\$31,234	\$11.49	\$16.78
31-9092	Medical Assistants	990	1,360	370	37.4%	40	10	50	Moderate-term on-the-job training	\$28,673	\$11.50	\$14.93
31-9093	Medical Equipment Preparers	140	160	20	14.3%	<5	<5	<5	Short-term on-the-job training	\$26,009	\$9.26	\$14.12
31-9094	Medical Transcriptionists	590	700	110	18.6%	10	10	20	Postsecondary vocational training	\$31,731	\$12.14	\$16.82
31-9095	Pharmacy Aides	110	90	-20	-18.2%	0	<5	<5	Short-term on-the-job training	\$20,087	\$7.19	\$10.89
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	240	260	20	8.3%	<5	<5	<5	Short-term on-the-job training	\$21,204	\$7.95	\$11.32

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31-9099	Healthcare Support Workers, All Other	1,090	1,280	190	17.4%	20	10	30	Short-term on-the-job training	\$29,241	\$10.92	\$15.63
33-0000	Protective Service Occupations	9,360	10,200	840	9.0%	80	270	350		\$35,983	\$8.83	\$21.54
33-1011	First-Line Supervisors/Managers of Correctional Officers	*	*	*	*	<5	10	10	Work experience in a related occupation	*	*	*
33-1012	First-Line Supervisors/Managers of Police and Detectives	210	220	10	4.8%	<5	10	10	Work experience in a related occupation	\$65,565	\$23.98	\$35.29
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	100	100	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$68,856	\$26.11	\$36.60
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	70	80	10	14.3%	<5	<5	<5	Work experience in a related occupation	\$45,425	\$15.39	\$25.06
33-2011	Fire Fighters	*	*	*	*	10	40	50	Long-term on-the-job training	*	*	*
33-2021	Fire Inspectors and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
33-3011	Bailiffs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
33-3012	Correctional Officers and Jailers	*	*	*	*	40	70	110	Moderate-term on-the-job training	*	*	*
33-3021	Detectives and Criminal Investigators	290	330	40	13.8%	<5	10	10	Work experience in a related occupation	\$57,086	\$21.95	\$30.19
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	1,660	1,720	60	3.6%	10	40	50	Long-term on-the-job training	\$46,797	\$17.21	\$25.14
33-3052	Transit and Railroad Police	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
33-9011	Animal Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
33-9021	Private Detectives and Investigators	50	50	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$40,932	\$12.56	\$23.24
33-9031	Gaming Surveillance Officers and Gaming Investigators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
33-9032	Security Guards	1,400	1,570	170	12.1%	20	30	50	Short-term on-the-job training	\$22,855	\$8.19	\$12.39
33-9091	Crossing Guards	230	220	-10	-4.3%	0	10	10	Short-term on-the-job training	\$22,588	\$8.19	\$12.19
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	380	410	30	7.9%	<5	30	30	Short-term on-the-job training	\$17,208	\$7.00	\$8.91
33-9099	Protective Service Workers, All Other	240	260	20	8.3%	<5	20	20	Short-term on-the-job training	\$34,242	\$8.82	\$20.28
35-0000	Food Preparation and Serving Related Occupations	37,980	42,160	4,180	11.0%	420	1,310	1,730		\$18,605	\$6.53	\$10.15
35-1011	Chefs and Head Cooks	390	410	20	5.1%	<5	10	10	Postsecondary vocational training	\$31,810	\$10.50	\$17.69
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	2,320	2,550	230	9.9%	20	20	40	Work experience in a related occupation	\$31,968	\$11.00	\$17.55
35-2011	Cooks, Fast Food	1,550	1,650	100	6.5%	10	40	50	Short-term on-the-job training	\$17,025	\$7.07	\$8.74
35-2012	Cooks, Institution and Cafeteria	1,390	1,470	80	5.8%	10	40	50	Long-term on-the-job training	\$24,692	\$9.67	\$12.97
35-2013	Cooks, Private Household	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
35-2014	Cooks, Restaurant	2,560	2,850	290	11.3%	30	70	100	Long-term on-the-job training	\$20,174	\$7.80	\$10.65
35-2015	Cooks, Short Order	630	650	20	3.2%	<5	20	20	Short-term on-the-job training	\$19,786	\$7.29	\$10.62
35-2019	Cooks, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
35-2021	Food Preparation Workers	2,220	2,440	220	9.9%	20	80	100	Short-term on-the-job training	\$19,176	\$7.30	\$10.18
35-3011	Bartenders	3,690	4,080	390	10.6%	40	130	170	Short-term on-the-job training	\$16,803	\$6.48	\$8.88
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	8,620	10,010	1,390	16.1%	140	160	300	Short-term on-the-job training	\$16,503	\$6.44	\$8.68

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35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,170	1,240	70	6.0%	10	80	90	Short-term on-the-job training	\$16,703	\$6.65	\$8.72
35-3031	Waiters and Waitresses	7,990	8,780	790	9.9%	80	430	510	Short-term on-the-job training	\$16,662	\$6.44	\$8.79
35-3041	Food Servers, Nonrestaurant	770	870	100	13.0%	10	10	20	Short-term on-the-job training	\$23,261	\$8.30	\$12.63
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,400	1,540	140	10.0%	10	60	70	Short-term on-the-job training	\$15,667	\$6.41	\$8.10
35-9021	Dishwashers	2,060	2,270	210	10.2%	20	80	100	Short-term on-the-job training	\$16,514	\$6.48	\$8.67
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,070	1,180	110	10.3%	10	70	80	Short-term on-the-job training	\$16,587	\$6.61	\$8.66
35-9099	Food Preparation and Serving Related Workers, All Other	90	100	10	11.1%	<5	<5	<5	Short-term on-the-job training	\$20,104	\$7.47	\$10.76
37-0000	Building and Grounds Cleaning and Maintenance Occupations	18,480	20,790	2,310	12.5%	230	330	560		\$24,177	\$7.95	\$13.46
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	730	800	70	9.6%	10	10	20	Work experience in a related occupation	\$36,888	\$11.28	\$20.96
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	320	370	50	15.6%	10	<5	10	Work experience in a related occupation	\$44,477	\$13.96	\$25.09
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	9,620	10,750	1,130	11.7%	110	180	290	Short-term on-the-job training	\$22,926	\$8.02	\$12.52
37-2012	Maids and Housekeeping Cleaners	4,680	5,250	570	12.2%	60	90	150	Short-term on-the-job training	\$18,769	\$7.21	\$9.93
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	2,830	3,290	460	16.3%	50	40	90	Short-term on-the-job training	\$26,055	\$9.00	\$14.29
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$35,994	\$11.90	\$20.01
37-3013	Tree Trimmers and Pruners	80	80	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$33,090	\$11.20	\$18.26
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-0000	Personal Care and Service Occupations	13,010	15,570	2,560	19.7%	260	300	560		\$21,834	\$7.45	\$12.02
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	520	610	90	17.3%	10	10	20	Work experience in a related occupation	\$30,411	\$10.63	\$16.62
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-2021	Nonfarm Animal Caretakers	410	470	60	14.6%	10	10	20	Short-term on-the-job training	\$20,989	\$7.02	\$11.62
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	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-3031	Ushers, Lobby Attendants, and Ticket Takers	220	230	10	4.5%	<5	20	20	Short-term on-the-job training	\$15,210	\$6.50	\$7.72
39-3091	Amusement and Recreation Attendants	830	920	90	10.8%	10	40	50	Short-term on-the-job training	\$18,173	\$6.74	\$9.74
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*

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39-3093	Locker Room, Coatroom, and Dressing Room Attendants	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$20,040	\$7.27	\$10.82
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	\$23,248	\$6.62	\$13.45
39-5011	Barbers	*	*	*	*	0	<5	<5	Postsecondary vocational training	*	*	*
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,700	1,830	130	7.6%	10	20	30	Postsecondary vocational training	\$23,003	\$7.21	\$12.98
39-5091	Makeup Artists, Theatrical and Performance	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-5092	Manicurists and Pedicurists	100	120	20	20.0%	<5	<5	<5	Postsecondary vocational training	\$17,788	\$7.11	\$9.27
39-5093	Shampoosers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-5094	Skin Care Specialists	40	60	20	50.0%	<5	<5	<5	Postsecondary vocational training	\$34,007	\$9.78	\$19.63
39-6011	Baggage Porters and Bellhops	60	60	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$21,501	\$6.77	\$12.12
39-6012	Concierges	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$20,434	\$8.02	\$10.73
39-6021	Tour Guides and Escorts	130	140	10	7.7%	<5	10	10	Moderate-term on-the-job training	\$17,335	\$6.38	\$9.31
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	3,040	3,750	710	23.4%	70	90	160	Short-term on-the-job training	\$20,458	\$7.57	\$10.97
39-9021	Personal and Home Care Aides	3,190	4,330	1,140	35.7%	110	50	160	Short-term on-the-job training	\$20,224	\$8.48	\$10.35
39-9031	Fitness Trainers and Aerobics Instructors	650	750	100	15.4%	10	10	20	Postsecondary vocational training	\$27,445	\$8.20	\$15.69
39-9032	Recreation Workers	1,040	1,130	90	8.7%	10	20	30	Bachelor's degree	\$24,325	\$7.21	\$13.94
39-9041	Residential Advisors	170	200	30	17.6%	<5	10	10	Short-term on-the-job training	\$28,575	\$10.12	\$15.55
39-9099	Personal Care and Service Workers, All Other	140	120	-20	-14.3%	0	<5	<5	Short-term on-the-job training	\$23,383	\$7.44	\$13.14
41-0000	Sales and Related Occupations	39,830	41,700	1,870	4.7%	190	1,240	1,430		\$33,964	\$7.57	\$20.71
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	2,810	2,840	30	1.1%	<5	60	60	Work experience in a related occupation	\$40,014	\$12.41	\$22.65
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	750	770	20	2.7%	<5	10	10	Work experience in a related occupation	\$73,104	\$19.08	\$43.18
41-2011	Cashiers	9,310	8,760	-550	-5.9%	0	440	440	Short-term on-the-job training	\$17,955	\$6.92	\$9.49
41-2012	Gaming Change Persons and Booth Cashiers	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
41-2021	Counter and Rental Clerks	1,330	1,530	200	15.0%	20	50	70	Short-term on-the-job training	\$21,743	\$6.94	\$12.21
41-2022	Parts Salespersons	540	520	-20	-3.7%	0	10	10	Moderate-term on-the-job training	\$34,194	\$11.54	\$18.89
41-2031	Retail Salespersons	12,900	13,820	920	7.1%	90	400	490	Short-term on-the-job training	\$23,242	\$7.47	\$13.03
41-3011	Advertising Sales Agents	480	560	80	16.7%	10	10	20	Moderate-term on-the-job training	\$41,468	\$10.45	\$24.68
41-3021	Insurance Sales Agents	1,020	1,230	210	20.6%	20	20	40	Bachelor's degree	\$66,618	\$15.37	\$40.36
41-3031	Securities, Commodities, and Financial Services Sales Agents	420	520	100	23.8%	10	10	20	Bachelor's degree	\$74,674	\$16.06	\$45.82
41-3041	Travel Agents	190	190	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$27,106	\$8.38	\$15.36
41-3099	Sales Representatives, Services, All Other	1,460	1,750	290	19.9%	30	30	60	Work experience in a related occupation	\$56,366	\$13.43	\$33.93

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41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1,260	1,430	170	13.5%	20	30	50	Work experience in a related occupation	\$73,827	\$22.06	\$42.21
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	4,780	5,170	390	8.2%	40	110	150	Work experience in a related occupation	\$57,387	\$15.04	\$33.86
41-9011	Demonstrators and Product Promoters	*	*	*	*	<5	10	10	Moderate-term on-the-job training	*	*	*
41-9012	Models	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
41-9021	Real Estate Brokers	110	120	10	9.1%	<5	<5	<5	Postsecondary vocational training	\$68,462	\$25.87	\$36.44
41-9022	Real Estate Sales Agents	200	230	30	15.0%	<5	<5	<5	Postsecondary vocational training	\$51,991	\$13.19	\$30.90
41-9031	Sales Engineers	280	290	10	3.6%	<5	10	10	Bachelor's degree	\$63,378	\$21.24	\$35.09
41-9041	Telemarketers	1,150	1,020	-130	-11.3%	0	40	40	Short-term on-the-job training	\$20,947	\$7.73	\$11.24
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
41-9099	Sales and Related Workers, All Other	520	590	70	13.5%	10	10	20	Moderate-term on-the-job training	\$46,707	\$11.08	\$28.14
43-0000	Office and Administrative Support Occupations	77,120	80,770	3,650	4.7%	370	1,630	2,000		\$30,330	\$9.94	\$16.90
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	3,820	3,880	60	1.6%	10	80	90	Work experience in a related occupation	\$45,965	\$15.04	\$25.63
43-2011	Switchboard Operators, Including Answering Service	570	520	-50	-8.8%	0	10	10	Short-term on-the-job training	\$24,866	\$9.72	\$13.07
43-2021	Telephone Operators	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
43-2099	Communications Equipment Operators, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
43-3011	Bill and Account Collectors	910	1,130	220	24.2%	20	10	30	Short-term on-the-job training	\$31,218	\$11.08	\$16.97
43-3021	Billing and Posting Clerks and Machine Operators	1,560	1,590	30	1.9%	<5	20	20	Moderate-term on-the-job training	\$31,055	\$12.06	\$16.36
43-3031	Bookkeeping, Accounting, and Auditing Clerks	7,410	8,200	790	10.7%	80	120	200	Moderate-term on-the-job training	\$31,188	\$10.70	\$17.14
43-3041	Gaming Cage Workers	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
43-3051	Payroll and Timekeeping Clerks	600	600	0	0.0%	<5	20	20	Moderate-term on-the-job training	\$33,311	\$12.38	\$17.83
43-3061	Procurement Clerks	240	240	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$34,252	\$13.03	\$18.19
43-3071	Tellers	1,930	2,220	290	15.0%	30	80	110	Short-term on-the-job training	\$22,573	\$8.93	\$11.81
43-4011	Brokerage Clerks	120	140	20	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$35,352	\$14.36	\$18.32
43-4021	Correspondence Clerks	30	40	10	33.3%	<5	<5	<5	Short-term on-the-job training	\$27,811	\$12.72	\$13.70
43-4031	Court, Municipal, and License Clerks	190	200	10	5.3%	<5	<5	<5	Short-term on-the-job training	\$34,599	\$11.25	\$19.33
43-4041	Credit Authorizers, Checkers, and Clerks	180	160	-20	-11.1%	0	10	10	Short-term on-the-job training	\$31,155	\$12.31	\$16.31
43-4051	Customer Service Representatives	7,680	9,110	1,430	18.6%	140	210	350	Moderate-term on-the-job training	\$31,922	\$10.63	\$17.71
43-4061	Eligibility Interviewers, Government Programs	210	210	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$33,774	\$10.81	\$18.95
43-4071	File Clerks	830	470	-360	-43.4%	0	20	20	Short-term on-the-job training	\$24,092	\$8.71	\$13.02
43-4081	Hotel, Motel, and Resort Desk Clerks	1,080	1,240	160	14.8%	20	40	60	Short-term on-the-job training	\$19,325	\$7.75	\$10.06
43-4111	Interviewers, Except Eligibility and Loan	600	670	70	11.7%	10	20	30	Short-term on-the-job training	\$26,531	\$10.46	\$13.90
43-4121	Library Assistants, Clerical	280	290	10	3.6%	<5	10	10	Short-term on-the-job training	\$22,865	\$8.11	\$12.43
43-4131	Loan Interviewers and Clerks	760	740	-20	-2.6%	0	10	10	Short-term on-the-job training	\$32,117	\$12.01	\$17.16
43-4141	New Accounts Clerks	270	240	-30	-11.1%	0	10	10	Work experience in a related occupation	\$30,564	\$12.50	\$15.79
43-4151	Order Clerks	1,750	1,530	-220	-12.6%	0	40	40	Short-term on-the-job training	\$27,953	\$11.80	\$14.26

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43-4161	Human Resources Assistants, Except Payroll and Timekeeping	580	630	50	8.6%	10	<5	10	Short-term on-the-job training	\$34,966	\$12.75	\$18.84
43-4171	Receptionists and Information Clerks	4,140	4,740	600	14.5%	60	100	160	Short-term on-the-job training	\$25,240	\$9.08	\$13.66
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	130	130	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$18,685	\$7.81	\$9.57
43-4199	Information and Record Clerks, All Other	810	710	-100	-12.3%	0	10	10	Short-term on-the-job training	\$32,628	\$12.29	\$17.38
43-5011	Cargo and Freight Agents	60	80	20	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$40,236	\$11.65	\$23.19
43-5021	Couriers and Messengers	260	250	-10	-3.8%	0	10	10	Short-term on-the-job training	\$25,342	\$9.55	\$13.50
43-5031	Police, Fire, and Ambulance Dispatchers	230	240	10	4.3%	<5	10	10	Moderate-term on-the-job training	\$35,940	\$14.42	\$18.71
43-5032	Dispatchers, Except Police, Fire, and Ambulance	420	420	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$35,689	\$11.32	\$20.08
43-5041	Meter Readers, Utilities	90	80	-10	-11.1%	0	<5	<5	Short-term on-the-job training	\$28,177	\$8.51	\$16.07
43-5051	Postal Service Clerks	190	190	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$43,892	\$20.01	\$21.65
43-5052	Postal Service Mail Carriers	1,040	1,040	0	0.0%	<5	30	30	Short-term on-the-job training	\$43,326	\$16.86	\$22.81
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	530	490	-40	-7.5%	0	10	10	Short-term on-the-job training	\$42,484	\$17.88	\$21.70
43-5061	Production, Planning, and Expediting Clerks	990	1,050	60	6.1%	10	30	40	Moderate-term on-the-job training	\$39,206	\$14.46	\$21.04
43-5071	Shipping, Receiving, and Traffic Clerks	2,500	2,620	120	4.8%	10	60	70	Short-term on-the-job training	\$28,001	\$10.51	\$14.94
43-5081	Stock Clerks and Order Fillers	4,600	4,180	-420	-9.1%	0	110	110	Short-term on-the-job training	\$22,294	\$7.42	\$12.37
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	240	200	-40	-16.7%	0	10	10	Short-term on-the-job training	\$29,265	\$11.13	\$15.54
43-6011	Executive Secretaries and Administrative Assistants	5,450	6,120	670	12.3%	70	90	160	Work experience in a related occupation	\$35,546	\$12.76	\$19.25
43-6012	Legal Secretaries	690	740	50	7.2%	10	10	20	Associate degree	\$34,552	\$10.53	\$19.65
43-6013	Medical Secretaries	690	820	130	18.8%	10	10	20	Moderate-term on-the-job training	\$28,427	\$11.31	\$14.85
43-6014	Secretaries, Except Legal, Medical, and Executive	8,590	8,410	-180	-2.1%	0	140	140	Moderate-term on-the-job training	\$29,032	\$10.78	\$15.55
43-9011	Computer Operators	330	240	-90	-27.3%	0	10	10	Moderate-term on-the-job training	\$36,117	\$12.36	\$19.87
43-9021	Data Entry Keyers	1,060	1,000	-60	-5.7%	0	30	30	Moderate-term on-the-job training	\$25,194	\$9.43	\$13.45
43-9022	Word Processors and Typists	400	360	-40	-10.0%	0	10	10	Moderate-term on-the-job training	\$32,190	\$12.16	\$17.13
43-9031	Desktop Publishers	170	170	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$35,475	\$12.72	\$19.22
43-9041	Insurance Claims and Policy Processing Clerks	1,650	1,650	0	0.0%	<5	20	20	Moderate-term on-the-job training	\$32,224	\$11.91	\$17.28
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	740	640	-100	-13.5%	0	20	20	Short-term on-the-job training	\$26,863	\$9.99	\$14.38
43-9061	Office Clerks, General	8,180	8,980	800	9.8%	80	150	230	Short-term on-the-job training	\$25,539	\$8.81	\$14.01
43-9071	Office Machine Operators, Except Computer	240	220	-20	-8.3%	0	10	10	Short-term on-the-job training	\$29,172	\$11.49	\$15.29
43-9081	Proofreaders and Copy Markers	80	90	10	12.5%	<5	<5	<5	Short-term on-the-job training	\$28,010	\$9.22	\$15.59
43-9111	Statistical Assistants	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$38,326	\$14.63	\$20.32
43-9199	Office and Administrative Support Workers, All Other	880	790	-90	-10.2%	0	20	20	Short-term on-the-job training	\$28,600	\$8.33	\$16.46
45-0000	Farming, Fishing, and Forestry Occupations	740	800	60	8.1%	10	20	30		\$30,075	\$8.67	\$17.35
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*

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45-2011	Agricultural Inspectors	110	110	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$37,134	\$12.95	\$20.30
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	50	20	66.7%	<5	<5	<5	Moderate-term on-the-job training	\$36,237	\$11.89	\$20.18
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	100	110	10	10.0%	<5	<5	<5	Short-term on-the-job training	\$21,126	\$7.63	\$11.42
45-2093	Farmworkers, Farm and Ranch Animals	230	250	20	8.7%	<5	10	10	Short-term on-the-job training	\$24,792	\$8.07	\$13.84
45-2099	Agricultural Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
45-3011	Fishers and Related Fishing Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4011	Forest and Conservation Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4022	Logging Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4023	Log Graders and Scalers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4029	Logging Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-0000	Construction and Extraction Occupations	18,440	20,210	1,770	9.6%	180	340	520		\$43,454	\$13.24	\$24.72
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	1,340	1,470	130	9.7%	10	20	30	Work experience in a related occupation	\$61,636	\$20.19	\$34.35
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2021	Brickmasons and Blockmasons	360	400	40	11.1%	<5	10	10	Long-term on-the-job training	\$54,481	\$19.76	\$29.41
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2031	Carpenters	3,540	3,950	410	11.6%	40	50	90	Long-term on-the-job training	\$39,713	\$13.20	\$22.04
47-2041	Carpet Installers	210	210	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$37,852	\$11.56	\$21.52
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	120	140	20	16.7%	<5	<5	<5	Long-term on-the-job training	\$55,488	\$23.89	\$28.07
47-2051	Cement Masons and Concrete Finishers	650	730	80	12.3%	10	20	30	Moderate-term on-the-job training	\$41,813	\$14.91	\$22.70
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2061	Construction Laborers	2,100	2,320	220	10.5%	20	20	40	Moderate-term on-the-job training	\$33,899	\$11.58	\$18.66
47-2071	Paving, Surfacing, and Tamping Equipment Operators	130	140	10	7.7%	<5	<5	<5	Moderate-term on-the-job training	\$38,414	\$14.00	\$20.70
47-2072	Pile-Driver Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2073	Operating Engineers and Other Construction Equipment Operators	1,350	1,460	110	8.1%	10	30	40	Moderate-term on-the-job training	\$44,837	\$16.90	\$23.89
47-2081	Drywall and Ceiling Tile Installers	270	280	10	3.7%	<5	<5	<5	Moderate-term on-the-job training	\$47,685	\$17.67	\$25.56
47-2082	Tapers	150	160	10	6.7%	<5	<5	<5	Moderate-term on-the-job training	\$50,575	\$22.05	\$25.45
47-2111	Electricians	1,850	2,010	160	8.6%	20	50	70	Long-term on-the-job training	\$48,607	\$16.06	\$27.03
47-2121	Glaziers	110	120	10	9.1%	<5	<5	<5	Long-term on-the-job training	\$45,304	\$13.29	\$26.03
47-2131	Insulation Workers, Floor, Ceiling, and Wall	90	90	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,076	\$10.83	\$16.27
47-2132	Insulation Workers, Mechanical	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$59,331	\$19.07	\$33.25
47-2141	Painters, Construction and Maintenance	680	750	70	10.3%	10	10	20	Moderate-term on-the-job training	\$39,986	\$12.42	\$22.63

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47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2151	Pipelayers	150	160	10	6.7%	<5	<5	<5	Moderate-term on-the-job training	\$40,656	\$14.16	\$22.24
47-2152	Plumbers, Pipefitters, and Steamfitters	1,450	1,620	170	11.7%	20	30	50	Long-term on-the-job training	\$58,093	\$19.86	\$31.96
47-2161	Plasterers and Stucco Masons	130	130	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$42,262	\$14.29	\$23.33
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2181	Roofers	370	430	60	16.2%	10	10	20	Moderate-term on-the-job training	\$34,638	\$11.75	\$19.10
47-2211	Sheet Metal Workers	540	590	50	9.3%	10	10	20	Long-term on-the-job training	\$53,345	\$15.92	\$30.51
47-2221	Structural Iron and Steel Workers	230	250	20	8.7%	<5	10	10	Long-term on-the-job training	\$45,635	\$13.16	\$26.33
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	60	70	10	16.7%	<5	<5	<5	Short-term on-the-job training	\$25,034	\$9.27	\$13.42
47-3012	Helpers--Carpenters	200	230	30	15.0%	<5	10	10	Short-term on-the-job training	\$24,541	\$7.72	\$13.84
47-3013	Helpers--Electricians	140	150	10	7.1%	<5	<5	<5	Short-term on-the-job training	\$24,759	\$10.04	\$12.83
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	50	50	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$26,153	\$10.35	\$13.69
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	120	140	20	16.7%	<5	<5	<5	Short-term on-the-job training	\$22,231	\$6.67	\$12.70
47-3016	Helpers--Roofers	30	30	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$26,066	\$9.92	\$13.84
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
47-4011	Construction and Building Inspectors	310	340	30	9.7%	<5	10	10	Work experience in a related occupation	\$44,575	\$15.10	\$24.59
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	100	110	10	10.0%	<5	<5	<5	Moderate-term on-the-job training	\$40,432	\$15.27	\$21.52
47-4051	Highway Maintenance Workers	660	690	30	4.5%	<5	10	10	Moderate-term on-the-job training	\$34,046	\$12.51	\$18.30
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	160	170	10	6.3%	<5	<5	<5	Moderate-term on-the-job training	\$28,545	\$10.02	\$15.57
47-4099	Construction and Related Workers, All Other	130	140	10	7.7%	<5	<5	<5	Moderate-term on-the-job training	\$28,155	\$10.34	\$15.14
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	160	180	20	12.5%	<5	10	10	Moderate-term on-the-job training	\$38,110	\$13.72	\$20.62
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	15,820	16,890	1,070	6.8%	110	250	360		\$38,685	\$12.16	\$21.82
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	1,210	1,270	60	5.0%	10	30	40	Work experience in a related occupation	\$55,135	\$19.14	\$30.19
49-2011	Computer, Automated Teller, and Office Machine Repairers	400	420	20	5.0%	<5	10	10	Postsecondary vocational training	\$36,632	\$10.36	\$21.24

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49-2021	Radio Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	610	490	-120	-19.7%	0	20	20	Postsecondary vocational training	\$50,407	\$18.57	\$27.07
49-2091	Avionics Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2092	Electric Motor, Power Tool, and Related Repairers	50	50	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$31,557	\$11.35	\$17.08
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	230	260	30	13.0%	<5	10	10	Postsecondary vocational training	\$43,266	\$16.74	\$22.83
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	40	40	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$65,619	\$24.04	\$35.30
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	60	70	10	16.7%	<5	<5	<5	Postsecondary vocational training	\$25,996	\$10.91	\$13.29
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	120	120	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$32,681	\$11.30	\$17.92
49-2098	Security and Fire Alarm Systems Installers	80	90	10	12.5%	<5	<5	<5	Postsecondary vocational training	\$36,317	\$15.63	\$18.38
49-3011	Aircraft Mechanics and Service Technicians	140	160	20	14.3%	<5	<5	<5	Postsecondary vocational training	\$51,003	\$16.82	\$28.37
49-3021	Automotive Body and Related Repairers	420	440	20	4.8%	<5	10	10	Long-term on-the-job training	\$39,991	\$13.45	\$22.12
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3023	Automotive Service Technicians and Mechanics	1,670	1,830	160	9.6%	20	30	50	Postsecondary vocational training	\$34,447	\$10.52	\$19.58
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	590	650	60	10.2%	10	10	20	Postsecondary vocational training	\$38,765	\$13.14	\$21.38
49-3041	Farm Equipment Mechanics	160	160	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$32,689	\$11.57	\$17.79
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	260	290	30	11.5%	<5	10	10	Long-term on-the-job training	\$38,724	\$15.63	\$20.11
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3051	Motorboat Mechanics	80	90	10	12.5%	<5	<5	<5	Long-term on-the-job training	\$31,007	\$12.19	\$16.26
49-3052	Motorcycle Mechanics	60	60	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$31,669	\$11.76	\$16.96
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	150	150	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,382	\$9.76	\$17.03
49-3091	Bicycle Repairers	50	60	10	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,458	\$10.13	\$14.01
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3093	Tire Repairers and Changers	190	220	30	15.8%	<5	<5	<5	Short-term on-the-job training	\$21,849	\$7.70	\$11.91
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	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	710	780	70	9.9%	10	10	20	Long-term on-the-job training	\$42,040	\$13.13	\$23.75
49-9031	Home Appliance Repairers	130	130	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$33,403	\$12.62	\$17.78
49-9041	Industrial Machinery Mechanics	900	1,050	150	16.7%	20	20	40	Long-term on-the-job training	\$39,754	\$13.80	\$21.77
49-9042	Maintenance and Repair Workers, General	4,500	4,870	370	8.2%	40	10	50	Long-term on-the-job training	\$35,681	\$12.58	\$19.44

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49-9043	Maintenance Workers, Machinery	220	230	10	4.5%	<5	<5	<5	Moderate-term on-the-job training	\$32,337	\$11.03	\$17.80
49-9044	Millwrights	170	200	30	17.6%	<5	<5	<5	Long-term on-the-job training	\$42,957	\$16.04	\$22.96
49-9045	Refractory Materials Repairers, Except Brickmasons	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$43,570	\$13.66	\$24.59
49-9051	Electrical Power-Line Installers and Repairers	490	540	50	10.2%	10	20	30	Long-term on-the-job training	\$47,683	\$14.86	\$26.96
49-9052	Telecommunications Line Installers and Repairers	490	470	-20	-4.1%	0	10	10	Long-term on-the-job training	\$39,647	\$13.25	\$21.97
49-9061	Camera and Photographic Equipment Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9062	Medical Equipment Repairers	110	140	30	27.3%	<5	<5	<5	Associate degree	\$47,199	\$18.48	\$24.80
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	70	70	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$41,089	\$10.78	\$24.24
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	250	230	-20	-8.0%	0	10	10	Moderate-term on-the-job training	\$34,606	\$12.12	\$18.89
49-9092	Commercial Divers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-9094	Locksmiths and Safe Repairers	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$40,800	\$14.72	\$22.06
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
49-9097	Signal and Track Switch Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9098	Helpers--Installation, Maintenance, and Repair Workers	360	380	20	5.6%	<5	10	10	Short-term on-the-job training	\$23,939	\$8.29	\$13.12
49-9099	Installation, Maintenance, and Repair Workers, All Other	360	390	30	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$32,837	\$11.07	\$18.15
51-0000	Production Occupations	42,130	43,260	1,130	2.7%	110	840	950		\$30,788	\$10.14	\$17.13
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	2,660	2,740	80	3.0%	10	50	60	Work experience in a related occupation	\$48,671	\$16.59	\$26.80
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	100	80	-20	-20.0%	0	<5	<5	Short-term on-the-job training	\$28,663	\$12.06	\$14.64
51-2022	Electrical and Electronic Equipment Assemblers	760	610	-150	-19.7%	0	10	10	Short-term on-the-job training	\$27,762	\$10.44	\$14.80
51-2023	Electromechanical Equipment Assemblers	210	210	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$30,663	\$8.79	\$17.72
51-2031	Engine and Other Machine Assemblers	220	220	0	0.0%	<5	10	10	Short-term on-the-job training	\$24,746	\$9.23	\$13.23
51-2041	Structural Metal Fabricators and Fitters	370	380	10	2.7%	<5	10	10	Moderate-term on-the-job training	\$35,980	\$14.86	\$18.52
51-2091	Fiberglass Laminators and Fabricators	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,359	\$9.71	\$14.15
51-2092	Team Assemblers	5,110	5,350	240	4.7%	20	110	130	Moderate-term on-the-job training	\$25,943	\$9.19	\$14.11
51-2093	Timing Device Assemblers, Adjusters, and Calibrators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-2099	Assemblers and Fabricators, All Other	1,170	1,130	-40	-3.4%	0	20	20	Moderate-term on-the-job training	\$26,017	\$9.50	\$14.01
51-3011	Bakers	540	590	50	9.3%	10	10	20	Long-term on-the-job training	\$23,109	\$8.26	\$12.54
51-3021	Butchers and Meat Cutters	470	480	10	2.1%	<5	20	20	Long-term on-the-job training	\$27,630	\$10.17	\$14.84
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	310	340	30	9.7%	<5	10	10	Short-term on-the-job training	\$22,390	\$8.42	\$11.94
51-3023	Slaughterers and Meat Packers	*	*	*	*	10	20	30	Moderate-term on-the-job training	*	*	*
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	100	110	10	10.0%	<5	<5	<5	Short-term on-the-job training	\$25,226	\$10.51	\$12.94
51-3092	Food Batchmakers	540	590	50	9.3%	10	10	20	Short-term on-the-job training	\$27,887	\$10.32	\$14.95

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51-3093	Food Cooking Machine Operators and Tenders	230	220	-10	-4.3%	0	10	10	Short-term on-the-job training	\$23,882	\$8.72	\$12.86
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	830	900	70	8.4%	10	10	20	Moderate-term on-the-job training	\$33,521	\$12.94	\$17.70
51-4012	Numerical Tool and Process Control Programmers	80	80	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$39,603	\$16.50	\$20.31
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	290	300	10	3.4%	<5	10	10	Moderate-term on-the-job training	\$28,214	\$10.56	\$15.07
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	220	190	-30	-13.6%	0	10	10	Moderate-term on-the-job training	\$34,989	\$13.74	\$18.36
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,691	\$12.40	\$16.65
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	1,350	1,260	-90	-6.7%	0	30	30	Moderate-term on-the-job training	\$30,116	\$10.47	\$16.48
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	200	180	-20	-10.0%	0	<5	<5	Moderate-term on-the-job training	\$29,418	\$10.70	\$15.87
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	520	490	-30	-5.8%	0	10	10	Moderate-term on-the-job training	\$29,083	\$10.94	\$15.50
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	250	220	-30	-12.0%	0	10	10	Moderate-term on-the-job training	\$30,321	\$11.26	\$16.24
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	120	110	-10	-8.3%	0	<5	<5	Moderate-term on-the-job training	\$29,800	\$10.20	\$16.39
51-4041	Machinists	1,360	1,450	90	6.6%	10	20	30	Long-term on-the-job training	\$35,095	\$12.07	\$19.27
51-4051	Metal-Refining Furnace Operators and Tenders	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,855	\$11.21	\$14.48
51-4052	Pourers and Casters, Metal	80	90	10	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$29,300	\$11.44	\$15.41
51-4061	Model Makers, Metal and Plastic	60	60	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$41,162	\$15.19	\$22.09
51-4062	Patternmakers, Metal and Plastic	50	50	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$31,191	\$12.82	\$16.08
51-4071	Foundry Mold and Coremakers	170	160	-10	-5.9%	0	<5	<5	Moderate-term on-the-job training	\$29,122	\$10.85	\$15.58
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,170	1,130	-40	-3.4%	0	30	30	Moderate-term on-the-job training	\$25,605	\$9.48	\$13.73
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	710	810	100	14.1%	10	10	20	Moderate-term on-the-job training	\$32,169	\$11.98	\$17.21
51-4111	Tool and Die Makers	410	420	10	2.4%	<5	10	10	Long-term on-the-job training	\$42,323	\$16.00	\$22.52
51-4121	Welders, Cutters, Solderers, and Brazers	1,310	1,420	110	8.4%	10	30	40	Postsecondary vocational training	\$33,364	\$12.83	\$17.64
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	260	290	30	11.5%	<5	10	10	Postsecondary vocational training	\$31,571	\$11.69	\$16.92
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	70	70	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,436	\$12.17	\$13.70
51-4192	Lay-Out Workers, Metal and Plastic	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	100	100	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,091	\$10.76	\$15.60

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51-4194	Tool Grinders, Filers, and Sharpeners	110	90	-20	-18.2%	0	<5	<5	Moderate-term on-the-job training	\$33,870	\$13.36	\$17.75
51-4199	Metal Workers and Plastic Workers, All Other	150	120	-30	-20.0%	0	<5	<5	Moderate-term on-the-job training	\$30,955	\$12.49	\$16.08
51-5011	Bindery Workers	830	840	10	1.2%	<5	10	10	Moderate-term on-the-job training	\$28,518	\$9.72	\$15.71
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-5021	Job Printers	350	360	10	2.9%	<5	<5	<5	Long-term on-the-job training	\$30,169	\$11.55	\$15.98
51-5022	Prepress Technicians and Workers	480	430	-50	-10.4%	0	10	10	Postsecondary vocational training	\$38,517	\$14.32	\$20.62
51-5023	Printing Machine Operators	1,170	1,300	130	11.1%	10	30	40	Moderate-term on-the-job training	\$35,623	\$12.01	\$19.68
51-6011	Laundry and Dry-Cleaning Workers	730	780	50	6.8%	10	20	30	Moderate-term on-the-job training	\$20,756	\$7.65	\$11.14
51-6021	Pressers, Textile, Garment, and Related Materials	120	120	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$19,218	\$7.28	\$10.22
51-6031	Sewing Machine Operators	380	390	10	2.6%	<5	<5	<5	Moderate-term on-the-job training	\$25,533	\$9.86	\$13.48
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	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-6052	Tailors, Dressmakers, and Custom Sewers	130	130	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$24,479	\$8.38	\$13.46
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	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,421	\$8.54	\$11.90
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	*	*	*	*	<5	<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	60	60	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$33,236	\$11.64	\$18.15
51-6099	Textile, Apparel, and Furnishings Workers, All Other	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$31,383	\$10.85	\$17.21
51-7011	Cabinetmakers and Bench Carpenters	340	380	40	11.8%	<5	10	10	Long-term on-the-job training	\$32,975	\$12.91	\$17.32
51-7021	Furniture Finishers	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$26,698	\$10.18	\$14.16
51-7031	Model Makers, Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-7032	Patternmakers, Wood	*	*	*	*	0	<5	<5	Long-term on-the-job training	*	*	*
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	140	150	10	7.1%	<5	<5	<5	Moderate-term on-the-job training	\$26,337	\$10.05	\$13.97
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	360	410	50	13.9%	10	10	20	Moderate-term on-the-job training	\$28,373	\$9.83	\$15.55
51-7099	Woodworkers, All Other	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$23,489	\$8.40	\$12.74
51-8011	Nuclear Power Reactor Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8012	Power Distributors and Dispatchers	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$63,424	\$24.22	\$33.63
51-8013	Power Plant Operators	*	*	*	*	<5	10	10	Long-term on-the-job training	*	*	*
51-8021	Stationary Engineers and Boiler Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*

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51-8031	Water and Liquid Waste Treatment Plant and System Operators	270	290	20	7.4%	<5	10	10	Long-term on-the-job training	\$39,139	\$15.42	\$20.51
51-8091	Chemical Plant and System Operators	30	40	10	33.3%	<5	<5	<5	Long-term on-the-job training	\$44,178	\$17.81	\$22.95
51-8092	Gas Plant Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8099	Plant and System Operators, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-9011	Chemical Equipment Operators and Tenders	140	160	20	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$42,481	\$13.36	\$23.96
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	260	280	20	7.7%	<5	10	10	Moderate-term on-the-job training	\$28,894	\$9.48	\$16.10
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	190	170	-20	-10.5%	0	<5	<5	Moderate-term on-the-job training	\$28,787	\$9.08	\$16.22
51-9022	Grinding and Polishing Workers, Hand	170	170	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,967	\$11.18	\$15.30
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	610	640	30	4.9%	<5	10	10	Moderate-term on-the-job training	\$31,945	\$11.96	\$17.06
51-9031	Cutters and Trimmers, Hand	110	130	20	18.2%	<5	<5	<5	Short-term on-the-job training	\$29,806	\$12.45	\$15.27
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	630	680	50	7.9%	10	10	20	Moderate-term on-the-job training	\$32,659	\$11.92	\$17.59
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	260	250	-10	-3.8%	0	10	10	Moderate-term on-the-job training	\$27,776	\$9.61	\$15.23
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,569	\$10.76	\$16.67
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	2,640	2,830	190	7.2%	20	40	60	Moderate-term on-the-job training	\$33,226	\$11.71	\$18.10
51-9071	Jewelers and Precious Stone and Metal Workers	60	60	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$31,290	\$10.24	\$17.44
51-9081	Dental Laboratory Technicians	310	350	40	12.9%	<5	10	10	Long-term on-the-job training	\$37,509	\$12.07	\$21.02
51-9082	Medical Appliance Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-9083	Ophthalmic Laboratory Technicians	130	140	10	7.7%	<5	<5	<5	Moderate-term on-the-job training	\$27,448	\$10.01	\$14.79
51-9111	Packaging and Filling Machine Operators and Tenders	2,180	2,130	-50	-2.3%	0	40	40	Short-term on-the-job training	\$27,453	\$10.43	\$14.58
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	530	510	-20	-3.8%	0	10	10	Moderate-term on-the-job training	\$29,829	\$10.72	\$16.15
51-9122	Painters, Transportation Equipment	140	140	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$48,551	\$13.71	\$28.16
51-9123	Painting, Coating, and Decorating Workers	110	110	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$23,476	\$8.00	\$12.93
51-9131	Photographic Process Workers	60	30	-30	-50.0%	0	<5	<5	Moderate-term on-the-job training	\$25,256	\$7.26	\$14.58
51-9132	Photographic Processing Machine Operators	120	60	-60	-50.0%	0	<5	<5	Short-term on-the-job training	\$22,202	\$8.22	\$11.90
51-9141	Semiconductor Processors	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
51-9191	Cementing and Gluing Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,969	\$10.18	\$14.36
51-9193	Cooling and Freezing Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*

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51-9194	Etchers and Engravers	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$28,841	\$10.34	\$15.63
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	160	160	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$33,159	\$12.42	\$17.70
51-9196	Paper Goods Machine Setters, Operators, and Tenders	280	290	10	3.6%	<5	10	10	Moderate-term on-the-job training	\$30,602	\$11.34	\$16.40
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9198	Helpers--Production Workers	1,980	2,080	100	5.1%	10	50	60	Short-term on-the-job training	\$23,953	\$8.81	\$12.87
51-9199	Production Workers, All Other	1,120	1,220	100	8.9%	10	20	30	Moderate-term on-the-job training	\$30,989	\$10.05	\$17.32
53-0000	Transportation and Material Moving Occupations	27,950	28,640	690	2.5%	70	620	690		\$28,974	\$8.81	\$16.49
53-1011	Aircraft Cargo Handling Supervisors	30	30	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$35,112	\$12.67	\$18.99
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	600	660	60	10.0%	10	10	20	Work experience in a related occupation	\$45,589	\$15.33	\$25.21
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	560	610	50	8.9%	10	10	20	Work experience in a related occupation	\$51,340	\$17.99	\$28.03
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
53-2012	Commercial Pilots	80	90	10	12.5%	<5	<5	<5	Postsecondary vocational training	\$87,028	*	*
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	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-3021	Bus Drivers, Transit and Intercity	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-3022	Bus Drivers, School	1,120	1,220	100	8.9%	10	20	30	Moderate-term on-the-job training	\$25,095	\$8.21	\$13.99
53-3031	Driver/Sales Workers	1,110	1,010	-100	-9.0%	0	20	20	Short-term on-the-job training	\$23,481	\$6.74	\$13.56
53-3032	Truck Drivers, Heavy and Tractor-Trailer	4,900	5,440	540	11.0%	50	90	140	Moderate-term on-the-job training	\$37,558	\$12.65	\$20.76
53-3033	Truck Drivers, Light or Delivery Services	2,740	2,950	210	7.7%	20	50	70	Short-term on-the-job training	\$28,575	\$8.75	\$16.23
53-3041	Taxi Drivers and Chauffeurs	750	840	90	12.0%	10	10	20	Short-term on-the-job training	\$20,048	\$7.63	\$10.64
53-3099	Motor Vehicle Operators, All Other	250	270	20	8.0%	<5	<5	<5	Short-term on-the-job training	\$21,569	\$6.64	\$12.23
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	*	*	*	*	<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	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
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	210	210	0	0.0%	<5	10	10	Short-term on-the-job training	\$20,045	\$7.39	\$10.76
53-6031	Service Station Attendants	150	180	30	20.0%	<5	10	10	Short-term on-the-job training	\$21,698	\$8.69	\$11.30
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	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
53-7011	Conveyor Operators and Tenders	110	110	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$34,926	\$11.32	\$19.53
53-7021	Crane and Tower Operators	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$39,187	\$11.94	\$22.29

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53-7031	Dredge Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7032	Excavating and Loading Machine and Dragline Operators	120	130	10	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$45,036	\$14.52	\$25.22
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	2,020	2,000	-20	-1.0%	0	50	50	Short-term on-the-job training	\$29,283	\$11.18	\$15.53
53-7061	Cleaners of Vehicles and Equipment	1,050	1,120	70	6.7%	10	40	50	Short-term on-the-job training	\$21,889	\$7.18	\$12.20
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	7,020	7,010	-10	-0.1%	0	230	230	Short-term on-the-job training	\$24,976	\$8.88	\$13.57
53-7063	Machine Feeders and Offbearers	580	530	-50	-8.6%	0	10	10	Short-term on-the-job training	\$24,828	\$9.18	\$13.32
53-7064	Packers and Packagers, Hand	3,490	3,100	-390	-11.2%	0	40	40	Short-term on-the-job training	\$23,830	\$7.85	\$13.26
53-7072	Pump Operators, Except Wellhead Pumpers	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,122	\$13.50	\$15.70
53-7081	Refuse and Recyclable Material Collectors	240	250	10	4.2%	<5	10	10	Short-term on-the-job training	\$36,313	\$10.33	\$21.02
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	120	120	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$24,869	\$8.71	\$13.58

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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