

WDA 11 Southwest Occupational Projections, 2006-2016

(Grant, Green, Iowa, Lafayette, Richland, and Rock 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	122,210	130,150	7,940	6.5%	790	2,740	3,530		\$34,966	\$8.47	\$20.98
11-0000	Management Occupations	4,070	4,220	150	3.7%	20	90	110		\$75,961	\$19.03	\$45.26
11-1011	Chief Executives	160	160	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$136,385	\$36.12	\$80.29
11-1021	General and Operations Managers	1,060	1,030	-30	-2.8%	0	30	30	Bachelor's or higher degree, plus work experience	\$84,048	\$21.90	\$49.66
11-1031	Legislators	280	270	-10	-3.6%	0	10	10	Bachelor's or higher degree, plus work experience	\$19,069	*	*
11-2011	Advertising and Promotions Managers	10	20	10	100.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$104,740	\$29.59	\$60.74
11-2021	Marketing Managers	50	60	10	20.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$97,204	\$29.03	\$55.59
11-2022	Sales Managers	200	210	10	5.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$84,130	\$19.55	\$50.90
11-2031	Public Relations Managers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
11-3011	Administrative Services Managers	110	120	10	9.1%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$73,076	\$25.51	\$39.94
11-3021	Computer and Information Systems Managers	160	180	20	12.5%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$82,815	\$29.88	\$44.78
11-3031	Financial Managers	200	220	20	10.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$87,982	\$24.43	\$51.23
11-3041	Compensation and Benefits Managers	20	20	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$74,066	\$23.64	\$41.59
11-3042	Training and Development Managers	20	20	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$96,623	\$33.99	\$52.68
11-3049	Human Resources Managers, All Other	40	40	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$84,039	\$30.85	\$45.18
11-3051	Industrial Production Managers	230	230	0	0.0%	<5	10	10	Bachelor's or higher degree, plus work experience	\$77,743	\$25.71	\$43.21
11-3061	Purchasing Managers	60	60	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$86,939	\$25.18	\$50.11
11-3071	Transportation, Storage, and Distribution Managers	80	80	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$64,756	\$17.07	\$38.16
11-9011	Farm, Ranch, and Other Agricultural Managers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
11-9021	Construction Managers	110	130	20	18.2%	<5	<5	<5	Bachelor's degree	\$74,590	\$24.30	\$41.64
11-9031	Education Administrators, Preschool and Child Care Center/Program	40	50	10	25.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$31,076	\$12.61	\$16.11
11-9032	Education Administrators, Elementary and Secondary School	190	190	0	0.0%	<5	10	10	Bachelor's or higher degree, plus work experience	\$77,389	*	*
11-9033	Education Administrators, Postsecondary	150	160	10	6.7%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$70,337	\$22.21	\$39.62
11-9039	Education Administrators, All Other	20	20	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$47,457	\$17.11	\$25.67
11-9041	Engineering Managers	120	110	-10	-8.3%	0	<5	<5	Bachelor's or higher degree, plus work experience	\$82,322	\$28.31	\$45.21
11-9051	Food Service Managers	150	160	10	6.7%	<5	<5	<5	Work experience in a related occupation	\$31,811	\$10.46	\$17.71
11-9061	Funeral Directors	40	50	10	25.0%	<5	<5	<5	Associate degree	\$48,960	\$19.43	\$25.60
11-9071	Gaming Managers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
11-9081	Lodging Managers	10	20	10	100.0%	<5	<5	<5	Work experience in a related occupation	\$41,480	\$14.57	\$22.63
11-9111	Medical and Health Services Managers	150	180	30	20.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$94,284	\$27.02	\$54.48
11-9121	Natural Sciences Managers	10	10	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$82,550	\$33.51	\$42.78
11-9131	Postmasters and Mail Superintendents	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*

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		2006	2016	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg. Ann. Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
11-9141	Property, Real Estate, and Community Association Managers	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$87,274	\$19.65	\$53.11
11-9151	Social and Community Service Managers	80	90	10	12.5%	<5	<5	<5	Bachelor's degree	\$64,914	\$22.57	\$35.53
11-9199	Managers, All Other	240	250	10	4.2%	<5	10	10	Work experience in a related occupation	\$74,792	\$26.00	\$40.94
13-0000	Business and Financial Operations Occupations	3,890	4,320	430	11.1%	40	70	110		\$52,378	\$16.41	\$29.57
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
13-1021	Purchasing Agents and Buyers, Farm Products	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$38,597	\$13.42	\$21.12
13-1022	Wholesale and Retail Buyers, Except Farm Products	140	140	0	0.0%	<5	<5	<5	Bachelor's degree	\$53,158	\$13.78	\$31.45
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	320	320	0	0.0%	<5	10	10	Bachelor's degree	\$52,903	\$18.18	\$29.06
13-1031	Claims Adjusters, Examiners, and Investigators	60	60	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$48,664	\$18.22	\$25.98
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	80	90	10	12.5%	<5	<5	<5	Long-term on-the-job training	\$46,228	\$17.68	\$24.50
13-1051	Cost Estimators	190	210	20	10.5%	<5	<5	<5	Bachelor's degree	\$58,876	\$16.46	\$34.23
13-1061	Emergency Management Specialists	10	20	10	100.0%	<5	<5	<5	Work experience in a related occupation	\$47,665	\$18.14	\$25.30
13-1071	Employment, Recruitment, and Placement Specialists	120	140	20	16.7%	<5	<5	<5	Bachelor's degree	\$43,309	\$13.78	\$24.34
13-1072	Compensation, Benefits, and Job Analysis Specialists	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$44,449	\$17.10	\$23.51
13-1073	Training and Development Specialists	140	150	10	7.1%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$48,193	\$16.54	\$26.48
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	260	290	30	11.5%	<5	10	10	Bachelor's degree	\$46,116	\$11.85	\$27.33
13-1081	Logisticians	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
13-1111	Management Analysts	170	190	20	11.8%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$63,353	\$21.56	\$34.91
13-1121	Meeting and Convention Planners	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
13-1199	Business Operations Specialists, All Other	840	960	120	14.3%	10	10	20	Bachelor's degree	\$52,960	\$13.14	\$31.62
13-2011	Accountants and Auditors	740	840	100	13.5%	10	10	20	Bachelor's degree	\$52,479	\$19.09	\$28.30
13-2021	Appraisers and Assessors of Real Estate	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$40,931	\$9.47	\$24.78
13-2031	Budget Analysts	20	10	-10	-50.0%	0	<5	<5	Bachelor's degree	\$59,963	\$22.59	\$31.95
13-2041	Credit Analysts	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$41,848	\$16.60	\$21.88
13-2051	Financial Analysts	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$59,091	\$14.12	\$35.55
13-2052	Personal Financial Advisors	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$52,965	\$14.19	\$31.10
13-2053	Insurance Underwriters	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
13-2061	Financial Examiners	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$54,899	\$21.53	\$28.83
13-2071	Loan Counselors	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$28,777	\$13.73	\$13.89
13-2072	Loan Officers	300	340	40	13.3%	<5	<5	<5	Bachelor's degree	\$53,925	\$15.33	\$31.22
13-2081	Tax Examiners, Collectors, and Revenue Agents	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$46,748	\$18.60	\$24.41
13-2082	Tax Preparers	60	50	-10	-16.7%	0	<5	<5	Moderate-term on-the-job training	\$27,483	\$10.10	\$14.77

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13-2099	Financial Specialists, All Other	40	50	10	25.0%	<5	<5	<5	Bachelor's degree	\$43,905	\$12.66	\$25.33
15-0000	Computer and Mathematical Occupations	1,650	1,970	320	19.4%	30	40	70		\$56,422	\$18.89	\$31.25
15-1011	Computer and Information Scientists, Research	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
15-1021	Computer Programmers	200	170	-30	-15.0%	0	<5	<5	Bachelor's degree	\$62,660	\$24.28	\$33.05
15-1031	Computer Software Engineers, Applications	300	420	120	40.0%	10	<5	10	Bachelor's degree	\$62,986	\$22.30	\$34.27
15-1032	Computer Software Engineers, Systems Software	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$68,317	\$24.56	\$36.98
15-1041	Computer Support Specialists	280	310	30	10.7%	<5	10	10	Associate degree	\$37,492	\$13.48	\$20.30
15-1051	Computer Systems Analysts	360	440	80	22.2%	10	10	20	Bachelor's degree	\$56,920	\$21.20	\$30.45
15-1061	Database Administrators	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$58,299	\$20.63	\$31.73
15-1071	Network and Computer Systems Administrators	180	210	30	16.7%	<5	<5	<5	Bachelor's degree	\$57,949	\$18.85	\$32.36
15-1081	Network Systems and Data Communications Analysts	160	240	80	50.0%	10	<5	10	Bachelor's degree	\$55,638	\$16.43	\$31.91
15-1099	Computer Specialists, All Other	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
15-2011	Actuaries	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
15-2031	Operations Research Analysts	10	20	10	100.0%	<5	<5	<5	Master's degree	\$54,329	\$16.69	\$30.83
15-2041	Statisticians	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
17-0000	Architecture and Engineering Occupations	1,770	1,830	60	3.4%	10	40	50		\$58,399	\$18.57	\$32.83
17-1011	Architects, Except Landscape and Naval	40	50	10	25.0%	<5	<5	<5	Bachelor's degree	\$66,147	\$22.29	\$36.56
17-1012	Landscape Architects	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$46,762	\$14.75	\$26.35
17-1021	Cartographers and Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-1022	Surveyors	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$49,276	\$16.20	\$27.44
17-2011	Aerospace Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2021	Agricultural Engineers	0	0	0	0.0%	<5	<5	<5	Bachelor's degree	\$69,866	\$26.82	\$36.97
17-2031	Biomedical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2041	Chemical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2051	Civil Engineers	100	110	10	10.0%	<5	<5	<5	Bachelor's degree	\$61,434	\$22.12	\$33.24
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2071	Electrical Engineers	160	160	0	0.0%	<5	<5	<5	Bachelor's degree	\$66,047	\$24.40	\$35.43
17-2072	Electronics Engineers, Except Computer	*	*	*	*	0	<5	<5	Bachelor's degree	*	*	*
17-2081	Environmental Engineers	20	30	10	50.0%	<5	<5	<5	Bachelor's degree	\$64,928	\$26.57	\$33.54
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$56,314	\$19.63	\$30.79
17-2112	Industrial Engineers	260	300	40	15.4%	<5	10	10	Bachelor's degree	\$67,175	\$24.85	\$36.02
17-2131	Materials Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2141	Mechanical Engineers	320	310	-10	-3.1%	0	10	10	Bachelor's degree	\$64,002	\$23.67	\$34.32
17-2161	Nuclear Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2199	Engineers, All Other	100	100	0	0.0%	<5	<5	<5	Bachelor's degree	\$79,831	\$30.49	\$42.32
17-3011	Architectural and Civil Drafters	50	50	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$37,246	\$11.97	\$20.87
17-3012	Electrical and Electronics Drafters	30	30	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$51,091	\$19.06	\$27.32

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17-3013	Mechanical Drafters	140	130	-10	-7.1%	0	<5	<5	Postsecondary vocational training	\$39,055	\$15.02	\$20.65
17-3019	Drafters, All Other	10	10	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$32,932	\$12.72	\$17.39
17-3022	Civil Engineering Technicians	50	50	0	0.0%	<5	<5	<5	Associate degree	\$42,081	\$16.47	\$22.11
17-3023	Electrical and Electronic Engineering Technicians	130	130	0	0.0%	<5	<5	<5	Associate degree	\$45,613	\$15.05	\$25.37
17-3024	Electro-Mechanical Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
17-3025	Environmental Engineering Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
17-3026	Industrial Engineering Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
17-3027	Mechanical Engineering Technicians	60	60	0	0.0%	<5	<5	<5	Associate degree	\$44,989	\$14.70	\$25.10
17-3029	Engineering Technicians, Except Drafters, All Other	*	*	*	*	0	<5	<5	Associate degree	*	*	*
17-3031	Surveying and Mapping Technicians	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$32,237	\$11.36	\$17.57
19-0000	Life, Physical, and Social Science Occupations	870	940	70	8.0%	10	20	30		\$53,642	\$16.96	\$30.20
19-1011	Animal Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-1012	Food Scientists and Technologists	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$54,335	\$16.98	\$30.69
19-1013	Soil and Plant Scientists	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$54,184	\$20.20	\$28.98
19-1021	Biochemists and Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-1022	Microbiologists	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$51,754	\$19.11	\$27.77
19-1023	Zoologists and Wildlife Biologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-1029	Biological Scientists, All Other	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$49,163	\$17.83	\$26.54
19-1031	Conservation Scientists	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$59,114	\$21.44	\$31.91
19-1032	Foresters	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$49,365	\$22.04	\$24.58
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-1042	Medical Scientists, Except Epidemiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-1099	Life Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-2031	Chemists	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$47,790	\$19.72	\$24.60
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-2041	Environmental Scientists and Specialists, Including Health	30	40	10	33.3%	<5	<5	<5	Master's degree	\$51,067	\$21.92	\$25.87
19-2042	Geoscientists, Except Hydrologists and Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-2043	Hydrologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-2099	Physical Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3021	Market Research Analysts	140	160	20	14.3%	<5	<5	<5	Master's degree	\$61,895	\$18.87	\$35.20
19-3022	Survey Researchers	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3031	Clinical, Counseling, and School Psychologists	90	100	10	11.1%	<5	<5	<5	Doctoral degree	\$71,684	\$17.23	\$43.08
19-3039	Psychologists, All Other	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*

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19-3051	Urban and Regional Planners	20	30	10	50.0%	<5	<5	<5	Master's degree	\$57,953	\$21.47	\$31.06
19-3093	Historians	0	0	0	0.0%	<5	<5	<5	Master's degree	\$43,707	\$15.13	\$23.95
19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-4011	Agricultural and Food Science Technicians	30	30	0	0.0%	<5	<5	<5	Associate degree	\$33,102	\$7.12	\$20.31
19-4021	Biological Technicians	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-4031	Chemical Technicians	40	40	0	0.0%	<5	<5	<5	Associate degree	\$39,099	\$14.41	\$20.99
19-4061	Social Science Research Assistants	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
19-4091	Environmental Science and Protection Technicians, Including Health	10	10	0	0.0%	<5	<5	<5	Associate degree	\$41,203	\$16.17	\$21.63
19-4092	Forensic Science Technicians	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-4093	Forest and Conservation Technicians	10	10	0	0.0%	<5	<5	<5	Associate degree	\$34,744	\$13.32	\$18.39
19-4099	Life, Physical, and Social Science Technicians, All Other	60	70	10	16.7%	<5	<5	<5	Associate degree	\$35,069	\$13.67	\$18.46
21-0000	Community and Social Services Occupations	2,150	2,490	340	15.8%	30	40	70		\$43,937	\$14.58	\$24.39
21-1011	Substance Abuse and Behavioral Disorder Counselors	40	50	10	25.0%	<5	<5	<5	Master's degree	\$34,907	\$12.46	\$18.94
21-1012	Educational, Vocational, and School Counselors	160	170	10	6.3%	<5	<5	<5	Master's degree	\$46,180	\$18.00	\$24.31
21-1013	Marriage and Family Therapists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
21-1014	Mental Health Counselors	40	50	10	25.0%	<5	<5	<5	Master's degree	\$50,515	\$18.75	\$27.05
21-1015	Rehabilitation Counselors	70	80	10	14.3%	<5	<5	<5	Master's degree	\$44,521	\$14.58	\$24.82
21-1019	Counselors, All Other	40	40	0	0.0%	<5	<5	<5	Master's degree	\$36,687	\$15.92	\$18.50
21-1021	Child, Family, and School Social Workers	230	260	30	13.0%	<5	10	10	Master's degree	\$45,034	\$14.10	\$25.42
21-1022	Medical and Public Health Social Workers	100	120	20	20.0%	<5	<5	<5	Master's degree	\$44,098	\$17.05	\$23.28
21-1023	Mental Health and Substance Abuse Social Workers	70	90	20	28.6%	<5	<5	<5	Master's degree	\$55,983	\$16.84	\$31.95
21-1029	Social Workers, All Other	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
21-1091	Health Educators	30	40	10	33.3%	<5	<5	<5	Master's degree	\$51,653	\$19.45	\$27.53
21-1092	Probation Officers and Correctional Treatment Specialists	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$44,026	\$17.84	\$22.83
21-1093	Social and Human Service Assistants	270	330	60	22.2%	10	<5	10	Moderate-term on-the-job training	\$33,122	\$10.94	\$18.41
21-1099	Community and Social Service Specialists, All Other	110	130	20	18.2%	<5	<5	<5	Bachelor's degree	\$35,192	\$13.99	\$18.38
21-2011	Clergy	650	760	110	16.9%	10	10	20	Master's degree	\$41,088	\$17.10	\$21.08
21-2021	Directors, Religious Activities and Education	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
21-2099	Religious Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
23-0000	Legal Occupations	400	440	40	10.0%	<5	10	10		\$67,106	\$15.37	\$40.71
23-1011	Lawyers	210	230	20	9.5%	<5	<5	<5	First professional degree	\$84,400	\$27.72	\$47.00
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	10	10	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$42,148	\$14.99	\$22.90
23-1023	Judges, Magistrate Judges, and Magistrates	20	20	0	0.0%	<5	<5	<5	Bachelor's or higher degree, plus work experience	\$99,932	\$24.85	\$59.64
23-2011	Paralegals and Legal Assistants	100	120	20	20.0%	<5	<5	<5	Associate degree	\$42,611	\$16.48	\$22.49
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*

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23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
23-2093	Title Examiners, Abstractors, and Searchers	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,242	\$10.89	\$14.20
23-2099	Legal Support Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
25-0000	Education, Training, and Library Occupations	7,550	8,070	520	6.9%	50	150	200		\$39,371	\$11.45	\$22.67
25-1011	Business Teachers, Postsecondary	80	100	20	25.0%	<5	<5	<5	Doctoral degree	\$59,986	*	*
25-1021	Computer Science Teachers, Postsecondary	20	30	10	50.0%	<5	<5	<5	Doctoral degree	\$61,444	*	*
25-1022	Mathematical Science Teachers, Postsecondary	40	50	10	25.0%	<5	<5	<5	Doctoral degree	\$52,997	*	*
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	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$56,397	*	*
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	10	10	0	0.0%	<5	<5	<5	Doctoral degree	\$68,645	*	*
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	30	30	0	0.0%	<5	<5	<5	Doctoral degree	\$46,442	*	*
25-1067	Sociology Teachers, Postsecondary	10	20	10	100.0%	<5	<5	<5	Doctoral degree	\$44,728	*	*
25-1069	Social Sciences Teachers, Postsecondary, All Other	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1071	Health Specialties Teachers, Postsecondary	*	*	*	*	<5	<5	<5	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	*	*	*
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	70	80	10	14.3%	<5	<5	<5	Master's degree	\$47,179	*	*
25-1122	Communications Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1123	English Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*

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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	*	*	*	*	<5	<5	<5	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	170	190	20	11.8%	<5	<5	<5	Work experience in a related occupation	\$51,358	\$15.14	\$29.47
25-1199	Postsecondary Teachers, All Other	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-2011	Preschool Teachers, Except Special Education	380	440	60	15.8%	10	10	20	Bachelor's degree	\$23,608	\$7.61	\$13.22
25-2012	Kindergarten Teachers, Except Special Education	150	160	10	6.7%	<5	<5	<5	Bachelor's degree	\$42,024	*	*
25-2021	Elementary School Teachers, Except Special Education	1,310	1,410	100	7.6%	10	30	40	Bachelor's degree	\$43,265	*	*
25-2022	Middle School Teachers, Except Special and Vocational Education	660	690	30	4.5%	<5	10	10	Bachelor's degree	\$43,188	*	*
25-2023	Vocational Education Teachers, Middle School	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$49,105	*	*
25-2031	Secondary School Teachers, Except Special and Vocational Education	970	970	0	0.0%	<5	30	30	Bachelor's degree	\$44,181	*	*
25-2032	Vocational Education Teachers, Secondary School	70	60	-10	-14.3%	0	<5	<5	Bachelor's degree	\$43,299	*	*
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	150	170	20	13.3%	<5	<5	<5	Bachelor's degree	\$41,675	*	*
25-2042	Special Education Teachers, Middle School	80	80	0	0.0%	<5	<5	<5	Bachelor's degree	\$43,406	*	*
25-2043	Special Education Teachers, Secondary School	110	110	0	0.0%	<5	<5	<5	Bachelor's degree	\$42,944	*	*
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$46,249	\$16.08	\$25.31
25-3021	Self-Enrichment Education Teachers	200	220	20	10.0%	<5	<5	<5	Work experience in a related occupation	\$31,047	\$9.96	\$17.41
25-3099	Teachers and Instructors, All Other	580	600	20	3.4%	<5	10	10	Bachelor's degree	\$28,063	*	*
25-4011	Archivists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
25-4012	Curators	20	20	0	0.0%	<5	<5	<5	Master's degree	\$48,384	\$16.01	\$26.89
25-4013	Museum Technicians and Conservators	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
25-4021	Librarians	120	120	0	0.0%	<5	<5	<5	Master's degree	\$44,832	\$17.00	\$23.83
25-4031	Library Technicians	130	130	0	0.0%	<5	10	10	Postsecondary vocational training	\$23,875	\$7.99	\$13.22
25-9011	Audio-Visual Collections Specialists	0	0	0	0.0%	<5	<5	<5	Bachelor's degree	\$29,612	\$7.54	\$17.59
25-9021	Farm and Home Management Advisors	*	*	*	*	0	<5	<5	Bachelor's degree	*	*	*
25-9031	Instructional Coordinators	60	70	10	16.7%	<5	<5	<5	Master's degree	\$48,542	\$19.82	\$25.09
25-9041	Teacher Assistants	1,120	1,150	30	2.7%	<5	20	20	Associate degree	\$22,337	*	*
25-9099	Education, Training, and Library Workers, All Other	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$31,515	\$6.52	\$19.47
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	1,540	1,640	100	6.5%	10	40	50		\$35,676	\$8.91	\$21.28
27-1011	Art Directors	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*

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27-1012	Craft Artists	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-1014	Multi-Media Artists and Animators	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
27-1019	Artists and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-1021	Commercial and Industrial Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
27-1023	Floral Designers	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$21,761	\$8.31	\$11.54
27-1024	Graphic Designers	190	200	10	5.3%	<5	10	10	Bachelor's degree	\$35,065	\$9.90	\$20.34
27-1025	Interior Designers	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$40,454	\$14.54	\$21.90
27-1026	Merchandise Displayers and Window Trimmers	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,017	\$9.97	\$13.78
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	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
27-2021	Athletes and Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2022	Coaches and Scouts	150	160	10	6.7%	<5	<5	<5	Long-term on-the-job training	\$23,531	*	*
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
27-2041	Music Directors and Composers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
27-2042	Musicians and Singers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-3011	Radio and Television Announcers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-3012	Public Address System and Other Announcers	10	10	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$39,732	\$17.07	\$20.12
27-3021	Broadcast News Analysts	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work experience	*	*	*
27-3022	Reporters and Correspondents	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$30,696	\$10.12	\$17.07
27-3031	Public Relations Specialists	160	180	20	12.5%	<5	<5	<5	Bachelor's degree	\$44,730	\$15.35	\$24.58
27-3041	Editors	90	90	0	0.0%	<5	<5	<5	Bachelor's degree	\$37,976	\$10.13	\$22.32
27-3042	Technical Writers	20	30	10	50.0%	<5	<5	<5	Bachelor's degree	\$51,304	\$19.33	\$27.33
27-3043	Writers and Authors	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$39,736	\$10.85	\$23.23
27-3091	Interpreters and Translators	40	50	10	25.0%	<5	<5	<5	Long-term on-the-job training	\$36,962	\$12.06	\$20.63
27-3099	Media and Communication Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-4011	Audio and Video Equipment Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-4012	Broadcast Technicians	30	30	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$23,717	\$7.50	\$13.35
27-4014	Sound Engineering Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
27-4021	Photographers	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$36,475	\$10.56	\$21.02
27-4031	Camera Operators, Television, Video, and Motion Picture	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
27-4032	Film and Video Editors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*

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27-4099	Media and Communication Equipment Workers, All	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
29-0000	Healthcare Practitioners and Technical Occupations	6,000	7,300	1,300	21.7%	130	110	240		\$58,960	\$14.40	\$35.32
29-1011	Chiropractors	40	50	10	25.0%	<5	<5	<5	First professional degree	\$114,134	\$29.59	\$67.51
29-1021	Dentists, General	80	80	0	0.0%	<5	<5	<5	First professional degree	\$148,979	\$54.76	\$80.06
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1023	Orthodontists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1024	Prosthodontists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1029	Dentists, All Other Specialists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1031	Dietitians and Nutritionists	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$51,176	\$19.76	\$27.03
29-1041	Optometrists	20	20	0	0.0%	<5	<5	<5	First professional degree	\$76,650	\$24.03	\$43.26
29-1051	Pharmacists	200	240	40	20.0%	<5	<5	<5	First professional degree	\$97,240	\$38.22	\$51.02
29-1061	Anesthesiologists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1062	Family and General Practitioners	100	120	20	20.0%	<5	<5	<5	First professional degree	\$128,261	\$27.22	\$78.89
29-1063	Internists, General	60	60	0	0.0%	<5	<5	<5	First professional degree	\$165,282	*	*
29-1064	Obstetricians and Gynecologists	10	10	0	0.0%	<5	<5	<5	First professional degree	\$192,135	*	*
29-1065	Pediatricians, General	10	20	10	100.0%	<5	<5	<5	First professional degree	\$175,216	*	*
29-1066	Psychiatrists	20	20	0	0.0%	<5	<5	<5	First professional degree	\$142,097	\$41.20	\$81.87
29-1067	Surgeons	40	50	10	25.0%	<5	<5	<5	First professional degree	\$181,990	*	*
29-1069	Physicians and Surgeons, All Other	140	170	30	21.4%	<5	<5	<5	First professional degree	\$166,905	*	*
29-1071	Physician Assistants	40	50	10	25.0%	<5	<5	<5	Master's degree	\$74,834	\$29.10	\$39.42
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1111	Registered Nurses	2,240	2,850	610	27.2%	60	40	100	Associate or Bachelor's degree ⁽⁸⁾	\$55,424	\$21.61	\$29.16
29-1121	Audiologists	10	10	0	0.0%	<5	<5	<5	Doctoral degree	\$61,890	\$26.89	\$31.19
29-1122	Occupational Therapists	110	140	30	27.3%	<5	<5	<5	Master's degree	\$53,233	\$18.12	\$29.33
29-1123	Physical Therapists	160	200	40	25.0%	<5	<5	<5	Master's degree	\$62,524	\$24.34	\$32.92
29-1124	Radiation Therapists	20	30	10	50.0%	<5	<5	<5	Associate degree	\$69,693	\$27.59	\$36.47
29-1125	Recreational Therapists	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$40,829	\$17.58	\$20.65
29-1126	Respiratory Therapists	80	100	20	25.0%	<5	<5	<5	Associate degree	\$44,757	\$19.13	\$22.71
29-1127	Speech-Language Pathologists	90	100	10	11.1%	<5	<5	<5	Master's degree	\$53,881	\$20.01	\$28.85
29-1129	Therapists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
29-1131	Veterinarians	60	80	20	33.3%	<5	<5	<5	First professional degree	\$80,196	\$26.51	\$44.58
29-1199	Health Diagnosing and Treating Practitioners, All Other	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-2011	Medical and Clinical Laboratory Technologists	120	140	20	16.7%	<5	<5	<5	Bachelor's degree	\$50,964	\$20.21	\$26.65
29-2012	Medical and Clinical Laboratory Technicians	60	70	10	16.7%	<5	<5	<5	Associate degree	\$34,775	\$13.70	\$18.23
29-2021	Dental Hygienists	160	220	60	37.5%	10	<5	10	Associate degree	\$53,359	\$21.24	\$27.86
29-2031	Cardiovascular Technologists and Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
29-2032	Diagnostic Medical Sonographers	40	50	10	25.0%	<5	<5	<5	Associate degree	\$68,542	\$28.33	\$35.26
29-2033	Nuclear Medicine Technologists	20	20	0	0.0%	<5	<5	<5	Associate degree	\$62,219	\$25.43	\$32.16

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29-2034	Radiologic Technologists and Technicians	200	240	40	20.0%	<5	<5	<5	Associate degree	\$47,822	\$19.15	\$24.91
29-2041	Emergency Medical Technicians and Paramedics	350	380	30	8.6%	<5	<5	<5	Postsecondary vocational training	\$22,228	\$6.92	\$12.57
29-2051	Dietetic Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
29-2052	Pharmacy Technicians	270	350	80	29.6%	10	10	20	Moderate-term on-the-job training	\$26,853	\$9.78	\$14.48
29-2053	Psychiatric Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
29-2054	Respiratory Therapy Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
29-2055	Surgical Technologists	100	130	30	30.0%	<5	<5	<5	Postsecondary vocational training	\$38,396	\$15.71	\$19.83
29-2056	Veterinary Technologists and Technicians	60	80	20	33.3%	<5	<5	<5	Associate degree	\$31,714	\$10.81	\$17.47
29-2061	Licensed Practical and Licensed Vocational Nurses	450	500	50	11.1%	10	10	20	Postsecondary vocational training	\$35,172	\$14.65	\$18.04
29-2071	Medical Records and Health Information Technicians	140	170	30	21.4%	<5	<5	<5	Associate degree	\$28,960	\$9.18	\$16.30
29-2081	Opticians, Dispensing	80	80	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$26,681	\$8.58	\$14.95
29-2091	Orthotists and Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
29-2099	Health Technologists and Technicians, All Other	90	100	10	11.1%	<5	<5	<5	Postsecondary vocational training	\$35,732	\$13.03	\$19.25
29-9011	Occupational Health and Safety Specialists	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$50,387	\$19.80	\$26.43
29-9012	Occupational Health and Safety Technicians	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
29-9091	Athletic Trainers	20	30	10	50.0%	<5	<5	<5	Bachelor's degree	\$42,577	*	*
29-9099	Healthcare Practitioners and Technical Workers, All Other	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$33,185	\$11.35	\$18.26
31-0000	Healthcare Support Occupations	3,470	4,240	770	22.2%	80	40	120		\$24,024	\$9.14	\$12.75
31-1011	Home Health Aides	620	880	260	41.9%	30	10	40	Short-term on-the-job training	\$20,121	\$8.08	\$10.47
31-1012	Nursing Aides, Orderlies, and Attendants	1,580	1,800	220	13.9%	20	10	30	Postsecondary vocational training	\$23,310	\$9.52	\$12.05
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
31-2011	Occupational Therapist Assistants	30	30	0	0.0%	<5	<5	<5	Associate degree	\$36,814	\$14.94	\$19.08
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
31-2021	Physical Therapist Assistants	50	70	20	40.0%	<5	<5	<5	Associate degree	\$39,467	\$16.71	\$20.10
31-2022	Physical Therapist Aides	50	70	20	40.0%	<5	<5	<5	Short-term on-the-job training	\$24,643	\$10.07	\$12.74
31-9011	Massage Therapists	30	40	10	33.3%	<5	<5	<5	Postsecondary vocational training	\$32,455	\$8.64	\$19.08
31-9091	Dental Assistants	210	270	60	28.6%	10	<5	10	Moderate-term on-the-job training	\$25,719	\$10.30	\$13.40
31-9092	Medical Assistants	290	390	100	34.5%	10	<5	10	Moderate-term on-the-job training	\$26,697	\$10.93	\$13.79
31-9093	Medical Equipment Preparers	40	40	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$26,072	\$10.43	\$13.59
31-9094	Medical Transcriptionists	170	200	30	17.6%	<5	<5	<5	Postsecondary vocational training	\$29,774	\$12.23	\$15.36
31-9095	Pharmacy Aides	40	30	-10	-25.0%	0	<5	<5	Short-term on-the-job training	\$19,160	\$6.35	\$10.64
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	60	60	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$23,239	\$8.09	\$12.71
31-9099	Healthcare Support Workers, All Other	280	320	40	14.3%	<5	<5	<5	Short-term on-the-job training	\$23,290	\$9.12	\$12.23
33-0000	Protective Service Occupations	2,080	2,220	140	6.7%	10	60	70		\$34,544	\$9.82	\$20.00
33-1011	First-Line Supervisors/Managers of Correctional Officers	20	30	10	50.0%	<5	<5	<5	Work experience in a related occupation	\$55,748	\$21.10	\$29.65
33-1012	First-Line Supervisors/Managers of Police and Detectives	60	60	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$60,298	\$22.98	\$32.00
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	40	40	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$66,445	\$17.26	\$39.29

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33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
33-2011	Fire Fighters	390	410	20	5.1%	<5	10	10	Long-term on-the-job training	\$30,115	\$7.46	\$17.99
33-2021	Fire Inspectors and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
33-3011	Bailiffs	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,677	\$9.88	\$15.74
33-3012	Correctional Officers and Jailers	240	260	20	8.3%	<5	10	10	Moderate-term on-the-job training	\$36,658	\$15.05	\$18.91
33-3021	Detectives and Criminal Investigators	70	80	10	14.3%	<5	<5	<5	Work experience in a related occupation	\$54,076	\$21.54	\$28.23
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	560	580	20	3.6%	<5	20	20	Long-term on-the-job training	\$36,575	\$12.42	\$20.17
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	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
33-9031	Gaming Surveillance Officers and Gaming Investigators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
33-9032	Security Guards	370	410	40	10.8%	<5	10	10	Short-term on-the-job training	\$22,802	\$9.21	\$11.84
33-9091	Crossing Guards	90	80	-10	-11.1%	0	<5	<5	Short-term on-the-job training	\$19,258	\$8.31	\$9.73
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	100	120	20	20.0%	<5	10	10	Short-term on-the-job training	\$16,144	\$6.40	\$8.44
33-9099	Protective Service Workers, All Other	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$31,702	\$11.26	\$17.23
35-0000	Food Preparation and Serving Related Occupations	10,310	11,470	1,160	11.3%	120	350	470		\$17,275	\$6.42	\$9.25
35-1011	Chefs and Head Cooks	90	90	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$21,546	\$6.38	\$12.35
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	650	710	60	9.2%	10	10	20	Work experience in a related occupation	\$24,873	\$8.55	\$13.66
35-2011	Cooks, Fast Food	480	510	30	6.3%	<5	10	10	Short-term on-the-job training	\$17,167	\$6.47	\$9.14
35-2012	Cooks, Institution and Cafeteria	350	360	10	2.9%	<5	10	10	Long-term on-the-job training	\$22,221	\$9.05	\$11.50
35-2013	Cooks, Private Household	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
35-2014	Cooks, Restaurant	640	710	70	10.9%	10	20	30	Long-term on-the-job training	\$17,267	\$6.62	\$9.14
35-2015	Cooks, Short Order	170	170	0	0.0%	<5	10	10	Short-term on-the-job training	\$15,980	\$6.42	\$8.32
35-2019	Cooks, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
35-2021	Food Preparation Workers	580	640	60	10.3%	10	20	30	Short-term on-the-job training	\$18,216	\$6.76	\$9.76
35-3011	Bartenders	970	1,070	100	10.3%	10	40	50	Short-term on-the-job training	\$17,874	\$6.80	\$9.49
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	2,690	3,130	440	16.4%	40	50	90	Short-term on-the-job training	\$15,407	\$6.43	\$7.90
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	350	370	20	5.7%	<5	20	20	Short-term on-the-job training	\$16,088	\$6.48	\$8.36
35-3031	Waiters and Waitresses	2,010	2,200	190	9.5%	20	110	130	Short-term on-the-job training	\$16,306	\$6.41	\$8.56
35-3041	Food Servers, Nonrestaurant	220	250	30	13.6%	<5	<5	<5	Short-term on-the-job training	\$20,276	\$7.91	\$10.67

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35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	330	370	40	12.1%	<5	10	10	Short-term on-the-job training	\$15,717	\$6.41	\$8.13
35-9021	Dishwashers	510	570	60	11.8%	10	20	30	Short-term on-the-job training	\$14,009	\$6.41	\$6.90
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	260	280	20	7.7%	<5	20	20	Short-term on-the-job training	\$15,134	\$6.40	\$7.71
35-9099	Food Preparation and Serving Related Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
37-0000	Building and Grounds Cleaning and Maintenance Occupations	3,610	4,010	400	11.1%	40	60	100		\$21,853	\$7.41	\$12.05
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	140	140	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$34,608	\$11.07	\$19.42
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	60	70	10	16.7%	<5	<5	<5	Work experience in a related occupation	\$36,733	\$12.65	\$20.17
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,000	2,190	190	9.5%	20	40	60	Short-term on-the-job training	\$21,759	\$7.62	\$11.88
37-2012	Maids and Housekeeping Cleaners	800	910	110	13.8%	10	20	30	Short-term on-the-job training	\$16,656	\$6.60	\$8.71
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	560	630	70	12.5%	10	10	20	Short-term on-the-job training	\$22,043	\$7.49	\$12.15
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
37-3013	Tree Trimmers and Pruners	10	20	10	100.0%	<5	<5	<5	Short-term on-the-job training	\$27,544	\$10.61	\$14.56
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-0000	Personal Care and Service Occupations	3,120	3,740	620	19.9%	60	70	130		\$20,169	\$7.10	\$11.00
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	120	140	20	16.7%	<5	<5	<5	Work experience in a related occupation	\$30,399	\$10.10	\$16.87
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-2021	Nonfarm Animal Caretakers	60	70	10	16.7%	<5	<5	<5	Short-term on-the-job training	\$18,120	\$6.46	\$9.84
39-3011	Gaming Dealers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-3012	Gaming and Sports Book Writers and Runners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-3019	Gaming Service Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-3021	Motion Picture Projectionists	10	10	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$14,393	\$6.49	\$7.13
39-3031	Ushers, Lobby Attendants, and Ticket Takers	80	80	0	0.0%	<5	10	10	Short-term on-the-job training	\$14,526	\$6.47	\$7.24
39-3091	Amusement and Recreation Attendants	200	220	20	10.0%	<5	10	10	Short-term on-the-job training	\$19,927	\$6.41	\$11.16
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*

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39-4021	Funeral Attendants	30	40	10	33.3%	<5	<5	<5	Short-term on-the-job training	\$22,479	\$8.77	\$11.82
39-5011	Barbers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-5012	Hairdressers, Hairstylists, and Cosmetologists	460	500	40	8.7%	<5	10	10	Postsecondary vocational training	\$23,312	\$7.46	\$13.08
39-5092	Manicurists and Pedicurists	30	30	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$17,573	\$6.40	\$9.47
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-5094	Skin Care Specialists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-6011	Baggage Porters and Bellhops	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-6021	Tour Guides and Escorts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
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	590	730	140	23.7%	10	20	30	Short-term on-the-job training	\$18,992	\$7.24	\$10.08
39-9021	Personal and Home Care Aides	710	1,000	290	40.8%	30	10	40	Short-term on-the-job training	\$18,382	\$7.64	\$9.44
39-9031	Fitness Trainers and Aerobics Instructors	180	200	20	11.1%	<5	<5	<5	Postsecondary vocational training	\$18,674	\$6.46	\$10.24
39-9032	Recreation Workers	270	300	30	11.1%	<5	10	10	Bachelor's degree	\$20,788	\$6.54	\$11.72
39-9041	Residential Advisors	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$24,576	\$10.12	\$12.66
39-9099	Personal Care and Service Workers, All Other	40	30	-10	-25.0%	0	<5	<5	Short-term on-the-job training	\$24,911	\$8.69	\$13.62
41-0000	Sales and Related Occupations	11,820	12,230	410	3.5%	40	380	420		\$27,739	\$7.08	\$16.46
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	900	910	10	1.1%	<5	20	20	Work experience in a related occupation	\$35,231	\$11.03	\$19.89
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	170	170	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$59,211	\$17.06	\$34.17
41-2011	Cashiers	3,390	3,210	-180	-5.3%	0	160	160	Short-term on-the-job training	\$16,899	\$6.51	\$8.93
41-2012	Gaming Change Persons and Booth Cashiers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
41-2021	Counter and Rental Clerks	280	320	40	14.3%	<5	10	10	Short-term on-the-job training	\$23,484	\$6.83	\$13.52
41-2022	Parts Salespersons	280	270	-10	-3.6%	0	<5	<5	Moderate-term on-the-job training	\$29,539	\$9.15	\$16.73
41-2031	Retail Salespersons	3,740	4,020	280	7.5%	30	120	150	Short-term on-the-job training	\$21,964	\$7.10	\$12.29
41-3011	Advertising Sales Agents	130	150	20	15.4%	<5	<5	<5	Moderate-term on-the-job training	\$37,092	\$9.49	\$22.01
41-3021	Insurance Sales Agents	150	190	40	26.7%	<5	<5	<5	Bachelor's degree	\$40,847	\$11.38	\$23.77
41-3031	Securities, Commodities, and Financial Services Sales Agents	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
41-3041	Travel Agents	40	40	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$28,615	\$10.25	\$15.51
41-3099	Sales Representatives, Services, All Other	300	370	70	23.3%	10	10	20	Work experience in a related occupation	\$45,062	\$12.64	\$26.18
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	220	230	10	4.5%	<5	10	10	Work experience in a related occupation	\$62,776	\$14.45	\$38.05
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,530	1,640	110	7.2%	10	30	40	Work experience in a related occupation	\$54,110	\$14.76	\$31.64

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41-9011	Demonstrators and Product Promoters	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
41-9012	Models	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
41-9021	Real Estate Brokers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
41-9022	Real Estate Sales Agents	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
41-9031	Sales Engineers	80	80	0	0.0%	<5	<5	<5	Bachelor's degree	\$70,554	\$22.22	\$39.77
41-9041	Telemarketers	280	240	-40	-14.3%	0	10	10	Short-term on-the-job training	\$16,794	\$6.54	\$8.84
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	90	100	10	11.1%	<5	<5	<5	Moderate-term on-the-job training	\$38,589	\$8.62	\$23.52
43-0000	Office and Administrative Support Occupations	20,520	21,250	730	3.6%	70	440	510		\$28,407	\$9.41	\$15.78
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	930	950	20	2.2%	<5	20	20	Work experience in a related occupation	\$43,277	\$14.02	\$24.20
43-2011	Switchboard Operators, Including Answering Service	150	140	-10	-6.7%	0	<5	<5	Short-term on-the-job training	\$21,057	\$7.35	\$11.51
43-2021	Telephone Operators	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
43-3011	Bill and Account Collectors	250	310	60	24.0%	10	<5	10	Short-term on-the-job training	\$28,936	\$11.07	\$15.33
43-3021	Billing and Posting Clerks and Machine Operators	420	430	10	2.4%	<5	10	10	Moderate-term on-the-job training	\$28,483	\$11.37	\$14.86
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,790	1,960	170	9.5%	20	30	50	Moderate-term on-the-job training	\$28,764	\$9.64	\$15.93
43-3041	Gaming Cage Workers	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
43-3051	Payroll and Timekeeping Clerks	160	160	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,885	\$11.25	\$16.65
43-3061	Procurement Clerks	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,787	\$12.85	\$16.50
43-3071	Tellers	620	710	90	14.5%	10	30	40	Short-term on-the-job training	\$21,408	\$8.36	\$11.26
43-4011	Brokerage Clerks	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,489	\$11.76	\$15.39
43-4021	Correspondence Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
43-4031	Court, Municipal, and License Clerks	80	80	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$28,768	\$8.18	\$16.65
43-4041	Credit Authorizers, Checkers, and Clerks	30	20	-10	-33.3%	0	<5	<5	Short-term on-the-job training	\$31,417	\$11.78	\$16.77
43-4051	Customer Service Representatives	1,820	2,150	330	18.1%	30	50	80	Moderate-term on-the-job training	\$30,825	\$11.41	\$16.53
43-4061	Eligibility Interviewers, Government Programs	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,932	\$14.64	\$17.87
43-4071	File Clerks	180	100	-80	-44.4%	0	10	10	Short-term on-the-job training	\$24,559	\$9.14	\$13.14
43-4081	Hotel, Motel, and Resort Desk Clerks	140	160	20	14.3%	<5	10	10	Short-term on-the-job training	\$17,228	\$7.35	\$8.75
43-4111	Interviewers, Except Eligibility and Loan	170	190	20	11.8%	<5	<5	<5	Short-term on-the-job training	\$27,425	\$9.94	\$14.81
43-4121	Library Assistants, Clerical	90	90	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$23,597	\$6.97	\$13.53
43-4131	Loan Interviewers and Clerks	170	160	-10	-5.9%	0	<5	<5	Short-term on-the-job training	\$28,753	\$10.81	\$15.33
43-4141	New Accounts Clerks	80	70	-10	-12.5%	0	<5	<5	Work experience in a related occupation	\$31,484	\$12.08	\$16.66
43-4151	Order Clerks	*	*	*	*	0	30	30	Short-term on-the-job training	*	*	*
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	150	160	10	6.7%	<5	<5	<5	Short-term on-the-job training	\$32,961	\$12.72	\$17.41
43-4171	Receptionists and Information Clerks	1,020	1,160	140	13.7%	10	30	40	Short-term on-the-job training	\$23,071	\$8.79	\$12.24

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43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
43-4199	Information and Record Clerks, All Other	200	170	-30	-15.0%	0	<5	<5	Short-term on-the-job training	\$29,611	\$10.96	\$15.87
43-5011	Cargo and Freight Agents	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$21,654	\$7.76	\$11.74
43-5021	Couriers and Messengers	70	70	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$22,173	\$7.19	\$12.39
43-5031	Police, Fire, and Ambulance Dispatchers	80	80	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$33,812	\$13.32	\$17.72
43-5032	Dispatchers, Except Police, Fire, and Ambulance	140	140	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$33,380	\$11.84	\$18.15
43-5041	Meter Readers, Utilities	40	40	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$27,770	\$6.42	\$16.82
43-5051	Postal Service Clerks	60	60	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$43,870	\$19.98	\$21.65
43-5052	Postal Service Mail Carriers	320	330	10	3.1%	<5	10	10	Short-term on-the-job training	\$43,105	\$16.48	\$22.85
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	170	150	-20	-11.8%	0	<5	<5	Short-term on-the-job training	\$35,420	\$10.74	\$20.17
43-5061	Production, Planning, and Expediting Clerks	310	320	10	3.2%	<5	10	10	Moderate-term on-the-job training	\$37,064	\$12.42	\$20.52
43-5071	Shipping, Receiving, and Traffic Clerks	980	990	10	1.0%	<5	20	20	Short-term on-the-job training	\$27,556	\$9.52	\$15.11
43-5081	Stock Clerks and Order Fillers	1,760	1,590	-170	-9.7%	0	40	40	Short-term on-the-job training	\$22,285	\$7.17	\$12.48
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
43-6011	Executive Secretaries and Administrative Assistants	1,160	1,290	130	11.2%	10	20	30	Work experience in a related occupation	\$33,639	\$12.14	\$18.19
43-6012	Legal Secretaries	130	140	10	7.7%	<5	<5	<5	Associate degree	\$29,930	\$11.34	\$15.91
43-6013	Medical Secretaries	200	240	40	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,776	\$11.31	\$15.09
43-6014	Secretaries, Except Legal, Medical, and Executive	1,790	1,740	-50	-2.8%	0	30	30	Moderate-term on-the-job training	\$28,047	\$9.89	\$15.28
43-9011	Computer Operators	110	80	-30	-27.3%	0	<5	<5	Moderate-term on-the-job training	\$31,723	\$9.54	\$18.11
43-9021	Data Entry Keyers	310	290	-20	-6.5%	0	10	10	Moderate-term on-the-job training	\$24,456	\$9.59	\$12.84
43-9022	Word Processors and Typists	90	80	-10	-11.1%	0	<5	<5	Moderate-term on-the-job training	\$24,741	\$9.25	\$13.21
43-9031	Desktop Publishers	30	40	10	33.3%	<5	<5	<5	Postsecondary vocational training	\$35,346	\$13.24	\$18.87
43-9041	Insurance Claims and Policy Processing Clerks	90	90	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,813	\$11.42	\$15.07
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	140	130	-10	-7.1%	0	<5	<5	Short-term on-the-job training	\$26,341	\$10.63	\$13.68
43-9061	Office Clerks, General	2,010	2,180	170	8.5%	20	40	60	Short-term on-the-job training	\$23,218	\$8.29	\$12.60
43-9071	Office Machine Operators, Except Computer	50	40	-10	-20.0%	0	<5	<5	Short-term on-the-job training	\$29,904	\$9.51	\$16.81
43-9081	Proofreaders and Copy Markers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
43-9111	Statistical Assistants	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
43-9199	Office and Administrative Support Workers, All Other	250	220	-30	-12.0%	0	10	10	Short-term on-the-job training	\$25,980	\$8.41	\$14.53
45-0000	Farming, Fishing, and Forestry Occupations	280	290	10	3.6%	<5	10	10		\$25,524	\$9.32	\$13.75
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
45-2011	Agricultural Inspectors	10	10	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$41,182	\$17.43	\$20.98
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Associate degree	*	*	*

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45-2041	Graders and Sorters, Agricultural Products	30	30	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$28,566	\$11.98	\$14.61
45-2091	Agricultural Equipment Operators	10	20	10	100.0%	<5	<5	<5	Moderate-term on-the-job training	\$24,423	\$9.57	\$12.83
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	60	80	20	33.3%	<5	<5	<5	Short-term on-the-job training	\$17,022	\$6.42	\$9.06
45-2093	Farmworkers, Farm and Ranch Animals	110	110	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$21,734	\$10.03	\$10.66
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	*	*	*
47-0000	Construction and Extraction Occupations	4,810	5,210	400	8.3%	40	90	130		\$38,661	\$10.82	\$22.47
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	330	370	40	12.1%	<5	10	10	Work experience in a related occupation	\$57,560	\$18.16	\$32.43
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2021	Brickmasons and Blockmasons	90	100	10	11.1%	<5	<5	<5	Long-term on-the-job training	\$49,457	\$19.65	\$25.84
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2031	Carpenters	830	920	90	10.8%	10	10	20	Long-term on-the-job training	\$35,470	\$10.81	\$20.17
47-2041	Carpet Installers	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,672	\$12.25	\$16.71
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	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2051	Cement Masons and Concrete Finishers	170	190	20	11.8%	<5	10	10	Moderate-term on-the-job training	\$32,904	\$12.03	\$17.72
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2061	Construction Laborers	580	630	50	8.6%	10	<5	10	Moderate-term on-the-job training	\$31,347	\$9.81	\$17.70
47-2071	Paving, Surfacing, and Tamping Equipment Operators	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$41,593	\$14.94	\$22.52
47-2072	Pile-Driver Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2073	Operating Engineers and Other Construction Equipment Operators	430	460	30	7.0%	<5	10	10	Moderate-term on-the-job training	\$48,665	\$17.95	\$26.12
47-2081	Drywall and Ceiling Tile Installers	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$33,990	\$15.24	\$16.89
47-2082	Tapers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2111	Electricians	630	660	30	4.8%	<5	20	20	Long-term on-the-job training	\$50,875	\$16.36	\$28.51
47-2121	Glaziers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2131	Insulation Workers, Floor, Ceiling, and Wall	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2132	Insulation Workers, Mechanical	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2141	Painters, Construction and Maintenance	120	130	10	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$31,880	\$8.86	\$18.56
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2151	Pipelayers	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$49,611	\$21.72	\$24.92

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47-2152	Plumbers, Pipefitters, and Steamfitters	440	470	30	6.8%	<5	10	10	Long-term on-the-job training	\$50,431	\$17.01	\$27.86
47-2161	Plasterers and Stucco Masons	*	*	*	*	<5		<5	Long-term on-the-job training	*	*	*
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	<5		<5	Long-term on-the-job training	*	*	*
47-2181	Roofers	90	100	10	11.1%	<5		<5	Moderate-term on-the-job training	\$36,173	\$11.49	\$20.34
47-2211	Sheet Metal Workers	160	170	10	6.3%	<5		<5	Long-term on-the-job training	\$45,066	\$13.55	\$25.73
47-2221	Structural Iron and Steel Workers	*	*	*	*	<5		<5	Long-term on-the-job training	*	*	*
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	*	*	*	*	<5		<5	Short-term on-the-job training	*	*	*
47-3012	Helpers--Carpenters	50	60	10	20.0%	<5		<5	Short-term on-the-job training	\$24,044	\$9.89	\$12.39
47-3013	Helpers--Electricians	40	40	0	0.0%	<5		<5	Short-term on-the-job training	\$28,375	\$10.61	\$15.16
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	*	*	*	*	<5		<5	Short-term on-the-job training	*	*	*
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	30	40	10	33.3%	<5		<5	Short-term on-the-job training	\$22,878	\$9.09	\$11.96
47-3016	Helpers--Roofers	*	*	*	*	<5		<5	Short-term on-the-job training	*	*	*
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	<5		<5	Short-term on-the-job training	*	*	*
47-4011	Construction and Building Inspectors	40	50	10	25.0%	<5		<5	Work experience in a related occupation	\$47,381	\$16.81	\$25.77
47-4021	Elevator Installers and Repairers	*	*	*	*	<5		<5	Long-term on-the-job training	*	*	*
47-4031	Fence Erectors	*	*	*	*	<5		<5	Moderate-term on-the-job training	*	*	*
47-4041	Hazardous Materials Removal Workers	*	*	*	*	<5		<5	Moderate-term on-the-job training	*	*	*
47-4051	Highway Maintenance Workers	260	280	20	7.7%	<5	10	10	Moderate-term on-the-job training	\$26,721	\$9.89	\$14.33
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	20	20	0	0.0%	<5		<5	Moderate-term on-the-job training	\$34,877	\$9.99	\$20.16
47-4099	Construction and Related Workers, All Other	*	*	*	*	<5		<5	Moderate-term on-the-job training	*	*	*
47-5012	Rotary Drill Operators, Oil and Gas	*	*	*	*	<5		<5	Moderate-term on-the-job training	*	*	*
47-5021	Earth Drillers, Except Oil and Gas	*	*	*	*	<5		<5	Moderate-term on-the-job training	*	*	*
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	*	*	*	*	<5		<5	Moderate-term on-the-job training	*	*	*
47-5041	Continuous Mining Machine Operators	*	*	*	*	<5		<5	Moderate-term on-the-job training	*	*	*
47-5042	Mine Cutting and Channeling Machine Operators	*	*	*	*	<5		<5	Moderate-term on-the-job training	*	*	*
47-5051	Rock Splitters, Quarry	*	*	*	*	<5		<5	Moderate-term on-the-job training	*	*	*
47-5081	Helpers--Extraction Workers	*	*	*	*	<5		<5	Short-term on-the-job training	*	*	*
47-5099	Extraction Workers, All Other	*	*	*	*	<5		<5	Moderate-term on-the-job training	*	*	*
49-0000	Installation, Maintenance, and Repair Occupations	5,150	5,410	260	5.0%	30	80	110		\$37,897	\$11.22	\$21.72
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	390	400	10	2.6%	<5	10	10	Work experience in a related occupation	\$56,535	\$19.04	\$31.25
49-2011	Computer, Automated Teller, and Office Machine Repairers	40	40	0	0.0%	<5		<5	Postsecondary vocational training	\$30,652	\$10.66	\$16.77
49-2021	Radio Mechanics	*	*	*	*	<5		<5	Long-term on-the-job training	*	*	*

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49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	90	80	-10	-11.1%	0	<5	<5	Postsecondary vocational training	\$50,203	\$17.88	\$27.26
49-2091	Avionics Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2092	Electric Motor, Power Tool, and Related Repairers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
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	40	50	10	25.0%	<5	<5	<5	Postsecondary vocational training	\$43,305	\$15.94	\$23.26
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	*	*	*	*	0	<5	<5	Postsecondary vocational training	*	*	*
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	*	*	*	*	0	<5	<5	Postsecondary vocational training	*	*	*
49-2098	Security and Fire Alarm Systems Installers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-3011	Aircraft Mechanics and Service Technicians	30	30	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$45,575	\$16.77	\$24.48
49-3021	Automotive Body and Related Repairers	170	180	10	5.9%	<5	<5	<5	Long-term on-the-job training	\$28,433	\$11.22	\$14.89
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3023	Automotive Service Technicians and Mechanics	610	670	60	9.8%	10	10	20	Postsecondary vocational training	\$34,010	\$10.91	\$19.07
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	340	370	30	8.8%	<5	10	10	Postsecondary vocational training	\$35,438	\$12.51	\$19.30
49-3041	Farm Equipment Mechanics	80	90	10	12.5%	<5	<5	<5	Long-term on-the-job training	\$29,563	\$10.57	\$16.03
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	100	120	20	20.0%	<5	<5	<5	Long-term on-the-job training	\$40,094	\$16.42	\$20.70
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3051	Motorboat Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3052	Motorcycle Mechanics	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$31,085	\$10.66	\$17.09
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$23,839	\$9.93	\$12.22
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-3092	Recreational Vehicle Service Technicians	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$33,166	\$13.87	\$16.98
49-3093	Tire Repairers and Changers	80	90	10	12.5%	<5	<5	<5	Short-term on-the-job training	\$24,355	\$8.12	\$13.51
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	200	220	20	10.0%	<5	<5	<5	Long-term on-the-job training	\$39,390	\$13.32	\$21.74
49-9031	Home Appliance Repairers	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$31,176	\$11.58	\$16.69
49-9041	Industrial Machinery Mechanics	370	410	40	10.8%	<5	10	10	Long-term on-the-job training	\$41,852	\$16.21	\$22.08
49-9042	Maintenance and Repair Workers, General	1,100	1,160	60	5.5%	10	<5	10	Long-term on-the-job training	\$30,886	\$9.34	\$17.60

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49-9043	Maintenance Workers, Machinery	70	70	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,521	\$9.49	\$13.66
49-9044	Millwrights	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-9045	Refractory Materials Repairers, Except Brickmasons	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9051	Electrical Power-Line Installers and Repairers	140	150	10	7.1%	<5	<5	<5	Long-term on-the-job training	\$51,082	\$21.28	\$26.20
49-9052	Telecommunications Line Installers and Repairers	100	110	10	10.0%	<5	<5	<5	Long-term on-the-job training	\$36,438	\$11.96	\$20.30
49-9061	Camera and Photographic Equipment Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9062	Medical Equipment Repairers	10	20	10	100.0%	<5	<5	<5	Associate degree	\$43,728	\$18.32	\$22.37
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	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$60,928	\$18.48	\$34.70
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9092	Commercial Divers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-9094	Locksmiths and Safe Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
49-9098	Helpers--Installation, Maintenance, and Repair Workers	100	110	10	10.0%	<5	<5	<5	Short-term on-the-job training	\$19,255	\$6.78	\$10.49
49-9099	Installation, Maintenance, and Repair Workers, All Other	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-0000	Production Occupations	16,630	16,140	-490	-2.9%	0	330	330		\$34,047	\$10.08	\$19.51
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	950	940	-10	-1.1%	0	20	20	Work experience in a related occupation	\$50,174	\$14.99	\$28.69
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-2021	Coil Winders, Tapers, and Finishers	*	*	*	*	0	<5	<5	Short-term on-the-job training	*	*	*
51-2022	Electrical and Electronic Equipment Assemblers	320	240	-80	-25.0%	0	10	10	Short-term on-the-job training	\$28,322	\$9.88	\$15.48
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-2031	Engine and Other Machine Assemblers	140	140	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$30,676	\$9.68	\$17.28
51-2041	Structural Metal Fabricators and Fitters	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-2091	Fiberglass Laminators and Fabricators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-2092	Team Assemblers	1,910	1,940	30	1.6%	<5	40	40	Moderate-term on-the-job training	\$27,324	\$8.21	\$15.60
51-2099	Assemblers and Fabricators, All Other	*	*	*	*	0	30	30	Moderate-term on-the-job training	*	*	*
51-3011	Bakers	170	180	10	5.9%	<5	<5	<5	Long-term on-the-job training	\$20,570	\$7.51	\$11.08
51-3021	Butchers and Meat Cutters	120	120	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$27,430	\$8.37	\$15.60
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$20,371	\$9.21	\$10.08
51-3023	Slaughterers and Meat Packers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	40	40	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$28,614	\$9.72	\$15.78
51-3092	Food Batchmakers	270	280	10	3.7%	<5	10	10	Short-term on-the-job training	\$28,892	\$10.13	\$15.77
51-3093	Food Cooking Machine Operators and Tenders	90	90	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$28,212	\$8.21	\$16.24

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51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	440	450	10	2.3%	<5	10	10	Moderate-term on-the-job training	\$32,606	\$12.60	\$17.21
51-4012	Numerical Tool and Process Control Programmers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	120	120	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,592	\$12.53	\$16.52
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	540	490	-50	-9.3%	0	10	10	Moderate-term on-the-job training	\$25,214	\$9.12	\$13.62
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	100	90	-10	-10.0%	0	<5	<5	Moderate-term on-the-job training	\$37,004	\$14.02	\$19.67
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	220	210	-10	-4.5%	0	<5	<5	Moderate-term on-the-job training	\$31,078	\$11.12	\$16.85
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	120	100	-20	-16.7%	0	<5	<5	Moderate-term on-the-job training	\$28,168	\$9.81	\$15.41
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-4041	Machinists	620	650	30	4.8%	<5	10	10	Long-term on-the-job training	\$34,185	\$11.20	\$19.05
51-4051	Metal-Refining Furnace Operators and Tenders	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-4052	Pourers and Casters, Metal	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-4061	Model Makers, Metal and Plastic	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-4062	Patternmakers, Metal and Plastic	10	10	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$49,955	\$14.01	\$29.02
51-4071	Foundry Mold and Coremakers	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	340	330	-10	-2.9%	0	10	10	Moderate-term on-the-job training	\$23,405	\$9.18	\$12.29
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	270	290	20	7.4%	<5	10	10	Moderate-term on-the-job training	\$29,234	\$11.66	\$15.25
51-4111	Tool and Die Makers	210	210	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$48,689	\$16.63	\$26.79
51-4121	Welders, Cutters, Solderers, and Brazers	670	700	30	4.5%	<5	10	10	Postsecondary vocational training	\$30,400	\$11.45	\$16.20
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	100	100	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$39,954	\$14.48	\$21.57
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,671	\$12.31	\$16.68
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	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,267	\$10.01	\$16.10

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51-4194	Tool Grinders, Filers, and Sharpeners	50	40	-10	-20.0%	0	<5	<5	Moderate-term on-the-job training	\$33,755	\$12.67	\$18.01
51-4199	Metal Workers and Plastic Workers, All Other	*	*	*	*	0	10	10	Moderate-term on-the-job training	*	*	*
51-5011	Bindery Workers	160	180	20	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$27,544	\$11.57	\$14.08
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-5021	Job Printers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-5022	Prepress Technicians and Workers	70	60	-10	-14.3%	0	<5	<5	Postsecondary vocational training	\$42,622	\$12.80	\$24.34
51-5023	Printing Machine Operators	180	190	10	5.6%	<5	<5	<5	Moderate-term on-the-job training	\$31,548	\$10.92	\$17.29
51-6011	Laundry and Dry-Cleaning Workers	120	130	10	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$20,015	\$7.45	\$10.71
51-6021	Pressers, Textile, Garment, and Related Materials	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-6031	Sewing Machine Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
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	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
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	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
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	*	*	*	*	<5	<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	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-7011	Cabinetmakers and Bench Carpenters	80	80	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$29,998	\$11.68	\$15.79
51-7021	Furniture Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-7031	Model Makers, Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-7032	Patternmakers, Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$24,260	\$9.68	\$12.66
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-7099	Woodworkers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-8011	Nuclear Power Reactor Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8012	Power Distributors and Dispatchers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8013	Power Plant Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8021	Stationary Engineers and Boiler Operators	20	30	10	50.0%	<5	<5	<5	Long-term on-the-job training	\$38,480	\$15.53	\$19.98

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51-8031	Water and Liquid Waste Treatment Plant and System Operators	110	110	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$34,442	\$13.55	\$18.06
51-8091	Chemical Plant and System Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
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	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$44,090	\$17.16	\$23.22
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	110	110	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$36,397	\$13.92	\$19.29
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9022	Grinding and Polishing Workers, Hand	50	40	-10	-20.0%	0	<5	<5	Moderate-term on-the-job training	\$24,563	\$10.24	\$12.59
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	240	240	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,281	\$11.28	\$15.48
51-9031	Cutters and Trimmers, Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	70	70	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$24,553	\$8.28	\$13.57
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	990	1,040	50	5.1%	10	20	30	Moderate-term on-the-job training	\$30,935	\$9.58	\$17.52
51-9071	Jewelers and Precious Stone and Metal Workers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
51-9081	Dental Laboratory Technicians	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$31,458	\$9.73	\$17.82
51-9082	Medical Appliance Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-9083	Ophthalmic Laboratory Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9111	Packaging and Filling Machine Operators and Tenders	680	650	-30	-4.4%	0	10	10	Short-term on-the-job training	\$25,448	\$9.61	\$13.55
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	150	140	-10	-6.7%	0	<5	<5	Moderate-term on-the-job training	\$28,859	\$11.13	\$15.25
51-9122	Painters, Transportation Equipment	180	170	-10	-5.6%	0	<5	<5	Moderate-term on-the-job training	\$32,332	\$13.00	\$16.82
51-9123	Painting, Coating, and Decorating Workers	30	30	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$21,078	\$8.17	\$11.12
51-9131	Photographic Process Workers	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$21,110	\$8.07	\$11.19
51-9132	Photographic Processing Machine Operators	40	20	-20	-50.0%	0	<5	<5	Short-term on-the-job training	\$20,764	\$7.95	\$11.00
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	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9193	Cooling and Freezing Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*

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⁾
51-9194	Etchers and Engravers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,685	\$9.91	\$11.40
51-9196	Paper Goods Machine Setters, Operators, and Tenders	90	90	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,878	\$7.23	\$15.05
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9198	Helpers--Production Workers	670	690	20	3.0%	<5	20	20	Short-term on-the-job training	\$22,623	\$7.80	\$12.41
51-9199	Production Workers, All Other	390	400	10	2.6%	<5	10	10	Moderate-term on-the-job training	\$36,888	\$10.87	\$21.17
53-0000	Transportation and Material Moving Occupations	10,540	10,730	190	1.8%	20	230	250		\$27,569	\$8.13	\$15.82
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	220	240	20	9.1%	<5	<5	<5	Work experience in a related occupation	\$42,213	\$14.19	\$23.35
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	210	230	20	9.5%	<5	<5	<5	Work experience in a related occupation	\$49,914	\$15.75	\$28.12
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
53-2012	Commercial Pilots	30	30	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$52,629	*	*
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	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$15,737	\$6.55	\$8.07
53-3021	Bus Drivers, Transit and Intercity	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-3022	Bus Drivers, School	360	390	30	8.3%	<5	10	10	Moderate-term on-the-job training	\$27,265	\$9.41	\$14.96
53-3031	Driver/Sales Workers	330	300	-30	-9.1%	0	10	10	Short-term on-the-job training	\$27,985	\$7.28	\$16.54
53-3032	Truck Drivers, Heavy and Tractor-Trailer	2,580	2,860	280	10.9%	30	50	80	Moderate-term on-the-job training	\$34,608	\$11.16	\$19.38
53-3033	Truck Drivers, Light or Delivery Services	930	1,000	70	7.5%	10	20	30	Short-term on-the-job training	\$22,951	\$7.81	\$12.65
53-3041	Taxi Drivers and Chauffeurs	110	120	10	9.1%	<5	<5	<5	Short-term on-the-job training	\$20,074	\$8.49	\$10.23
53-3099	Motor Vehicle Operators, All Other	100	100	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$18,653	\$6.56	\$10.17
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	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
53-6031	Service Station Attendants	60	70	10	16.7%	<5	<5	<5	Short-term on-the-job training	\$23,602	\$7.26	\$13.39
53-6041	Traffic Technicians	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
53-6051	Transportation Inspectors	*	*	*	*	0	<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	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*

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⁾
53-7021	Crane and Tower Operators	30	40	10	33.3%	<5	<5	<5	Long-term on-the-job training	\$48,479	\$19.45	\$25.24
53-7032	Excavating and Loading Machine and Dragline Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
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	640	600	-40	-6.3%	0	20	20	Short-term on-the-job training	\$30,564	\$10.72	\$16.68
53-7061	Cleaners of Vehicles and Equipment	360	390	30	8.3%	<5	10	10	Short-term on-the-job training	\$23,407	\$7.68	\$13.04
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,390	2,360	-30	-1.3%	0	80	80	Short-term on-the-job training	\$24,448	\$8.55	\$13.36
53-7063	Machine Feeders and Offbearers	120	110	-10	-8.3%	0	<5	<5	Short-term on-the-job training	\$25,064	\$7.75	\$14.20
53-7064	Packers and Packers, Hand	1,560	1,350	-210	-13.5%	0	20	20	Short-term on-the-job training	\$22,905	\$6.98	\$13.03
53-7072	Pump Operators, Except Wellhead Pumpers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7081	Refuse and Recyclable Material Collectors	70	80	10	14.3%	<5	<5	<5	Short-term on-the-job training	\$25,304	\$8.01	\$14.24
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7199	Material Moving Workers, All Other	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,954	\$7.76	\$12.67

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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