

EASTERN WORKFORCE INVESTMENT AREA OCCUPATIONAL OUTLOOK, 2008-2018

Occupation Code	Occupation Title	Employment		Employment Change, 2008-2018		Total Openings	Mean Hourly Wage	Education and Training
		2008	2018	Numeric	Percent			
00-0000	Total, All Occupations	87,090	97,540	10,450	12.0%	31,530	\$15.76	
11-1011	Chief Executives	390	390	10	1.6%	110	\$51.26	Bachelor's or higher degree, plus work experience
11-1021	General and Operations Managers	1,210	1,220	20	1.2%	360	\$32.16	Bachelor's or higher degree, plus work experience
11-1031	Legislators	90	100	10	8.8%	30	N/A	Bachelor's or higher degree, plus work experience
11-2021	Marketing Managers	60	60	10	10.3%	20	\$32.92	Bachelor's or higher degree, plus work experience
11-2022	Sales Managers	130	150	20	12.4%	40	\$33.20	Bachelor's or higher degree, plus work experience
11-3011	Administrative Services Managers	150	170	20	11.3%	50	\$22.54	Bachelor's or higher degree, plus work experience
11-3021	Computer and Information Systems Managers	40	50	10	11.4%	10	\$29.71	Bachelor's or higher degree, plus work experience
11-3031	Financial Managers	210	230	20	10.6%	60	\$31.23	Bachelor's or higher degree, plus work experience
11-3041	Compensation and Benefits Managers	20	20	0	0.0%	10	N/A	Bachelor's or higher degree, plus work experience
11-3049	Human Resources Managers, All Other	40	40	0	10.5%	10	N/A	Bachelor's or higher degree, plus work experience
11-3051	Industrial Production Managers	140	150	10	4.2%	60	\$35.24	Work experience in a related occupation
11-3061	Purchasing Managers	40	40	0	5.6%	10	\$26.58	Bachelor's or higher degree, plus work experience
11-3071	Transportation, Storage, and Distribution Managers	40	40	0	0.0%	10	\$28.39	Work experience in a related occupation
11-9021	Construction Managers	150	190	40	28.2%	50	\$30.00	Bachelor's degree
11-9031	Education Administrators, Preschool and Child Care Center/Program	20	30	0	12.5%	10	\$20.87	Bachelor's or higher degree, plus work experience
11-9032	Education Administrators, Elementary and Secondary School	250	270	20	6.4%	90	N/A	Bachelor's or higher degree, plus work experience
11-9033	Education Administrators, Postsecondary	30	30	0	0.0%	10	N/A	Bachelor's or higher degree, plus work experience
11-9041	Engineering Managers	20	30	0	4.2%	10	\$43.67	Bachelor's or higher degree, plus work experience
11-9051	Food Service Managers	210	230	20	7.5%	60	\$17.19	Work experience in a related occupation
11-9071	Gaming Managers	40	40	10	22.2%	10	\$22.56	Work experience in a related occupation
11-9111	Medical and Health Services Managers	220	240	20	10.7%	70	\$32.12	Bachelor's or higher degree, plus work experience
11-9131	Postmasters and Mail Superintendents	40	30	-10	-20.0%	10	\$29.07	Work experience in a related occupation
11-9141	Property, Real Estate, and Community Association Managers	240	290	50	22.1%	80	\$14.33	Bachelor's degree
11-9151	Social and Community Service Managers	80	90	10	11.8%	30	\$25.50	Bachelor's degree
11-9199	Managers, All Other	80	90	10	7.1%	30	\$40.62	Work experience in a related occupation
13-1022	Wholesale and Retail Buyers, Except Farm Products	50	50	0	0.0%	10	\$21.90	Long-term on-the-job training
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	110	130	20	18.2%	50	\$19.69	Long-term on-the-job training
13-1031	Claims Adjusters, Examiners, and Investigators	860	970	110	12.5%	330	\$24.27	Long-term on-the-job training
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety,	90	120	30	30.8%	40	\$19.42	Long-term on-the-job training
13-1051	Cost Estimators	70	90	20	36.9%	40	\$18.34	Bachelor's degree
13-1061	Emergency Management Specialists	20	20	10	35.3%	10	N/A	Work experience in a related occupation
13-1071	Employment, Recruitment, and Placement Specialists	60	70	10	21.3%	30	N/A	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	40	40	10	22.2%	20	N/A	Bachelor's degree
13-1073	Training and Development Specialists	70	90	20	30.8%	40	N/A	Bachelor's degree
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	60	70	10	17.2%	30	N/A	Bachelor's degree
13-1081	Logisticians	20	20	0	9.5%	10	\$28.52	Bachelor's degree
13-1111	Management Analysts	120	160	30	27.0%	40	\$24.59	Bachelor's or higher degree, plus work experience
13-1199	Business Operations Specialists, All Other	220	230	10	6.5%	60	\$26.99	Bachelor's degree
13-2011	Accountants and Auditors	500	620	120	24.2%	210	\$22.51	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	40	50	0	9.5%	10	\$21.58	Associate degree
13-2031	Budget Analysts	30	40	10	23.5%	10	\$22.25	Bachelor's degree
13-2051	Financial Analysts	30	30	10	28.0%	10	\$25.54	Bachelor's degree
13-2071	Loan Counselors	30	30	0	6.5%	10	\$14.45	Bachelor's degree
13-2072	Loan Officers	280	320	40	13.8%	70	\$25.79	Moderate-term on-the-job training
13-2081	Tax Examiners, Collectors, and Revenue Agents	40	50	10	11.6%	20	\$16.77	Bachelor's degree
13-2082	Tax Preparers	50	60	0	1.9%	10	N/A	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	20	20	0	10.5%	10	\$25.08	Bachelor's degree
15-1021	Computer Programmers	110	100	-10	-12.5%	20	N/A	Bachelor's degree
15-1031	Computer Software Engineers, Applications	30	40	10	28.1%	10	N/A	Bachelor's degree
15-1041	Computer Support Specialists	220	230	20	6.8%	80	N/A	Associate degree
15-1051	Computer Systems Analysts	60	70	10	17.5%	20	N/A	Bachelor's degree
15-1061	Database Administrators	30	30	0	8.0%	10	N/A	Bachelor's degree
15-1071	Network and Computer Systems Administrators	120	140	20	14.6%	40	N/A	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	30	40	10	44.4%	20	N/A	Bachelor's degree
15-1099	Computer Specialists, All Other	50	50	0	3.8%	10	N/A	Associate degree
17-1022	Surveyors	20	30	0	16.7%	10	\$23.01	Bachelor's degree

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17-2051	Civil Engineers	30	40	10	22.6%	10	\$29.72	Bachelor's degree
17-2081	Environmental Engineers	20	20	0	23.5%	10	\$36.41	Bachelor's degree
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspect	30	30	0	-3.2%	10	\$34.01	Bachelor's degree
17-2112	Industrial Engineers	40	40	10	16.2%	20	\$33.22	Bachelor's degree
17-2141	Mechanical Engineers	30	40	10	14.7%	10	\$34.14	Bachelor's degree
17-3011	Architectural and Civil Drafters	20	30	0	4.2%	10	\$20.68	Postsecondary vocational training
17-3023	Electrical and Electronic Engineering Technicians	20	20	0	-10.0%	0	\$27.05	Associate degree
17-3029	Engineering Technicians, Except Drafters, All Other	20	20	0	0.0%	0	\$29.61	Associate degree
17-3031	Surveying and Mapping Technicians	20	20	0	21.1%	10	\$14.77	Moderate-term on-the-job training
19-1029	Biological Scientists, All Other	20	20	0	11.1%	10	N/A	Doctoral degree
19-1031	Conservation Scientists	20	20	0	9.1%	0	\$30.13	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	20	20	0	4.3%	10	\$21.66	Master's degree
19-3021	Market Research Analysts	30	30	10	30.8%	20	N/A	Bachelor's degree
19-3031	Clinical, Counseling, and School Psychologists	30	40	10	15.6%	10	\$22.61	Doctoral degree
21-1011	Substance Abuse and Behavioral Disorder Counselors	50	60	10	15.7%	20	\$19.21	Bachelor's degree
21-1012	Educational, Vocational, and School Counselors	240	260	30	10.5%	70	\$21.62	Master's degree
21-1015	Rehabilitation Counselors	100	120	20	14.6%	40	\$13.95	Master's degree
21-1021	Child, Family, and School Social Workers	230	250	20	6.9%	70	\$16.47	Bachelor's degree
21-1022	Medical and Public Health Social Workers	50	50	10	17.4%	20	\$18.84	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	50	50	10	17.8%	20	\$13.89	Master's degree
21-1029	Social Workers, All Other	60	70	10	8.3%	20	\$22.06	Bachelor's degree
21-1091	Health Educators	20	30	10	20.8%	10	\$18.44	Bachelor's degree
21-1092	Probation Officers and Correctional Treatment Specialists	30	40	10	19.4%	10	\$18.18	Bachelor's degree
21-1093	Social and Human Service Assistants	170	190	30	15.2%	60	\$14.25	Moderate-term on-the-job training
21-1099	Community and Social Service Specialists, All Other	80	90	10	13.3%	30	N/A	Bachelor's degree
23-1011	Lawyers	150	180	30	19.0%	50	\$35.74	First professional degree
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	20	20	0	11.1%	10	\$41.48	Bachelor's or higher degree, plus work experience
23-1023	Judges, Magistrate Judges, and Magistrates	30	30	0	0.0%	10	\$36.46	Bachelor's or higher degree, plus work experience
23-2011	Paralegals and Legal Assistants	150	180	20	15.9%	40	\$17.95	Associate degree
23-2091	Court Reporters	20	20	0	5.3%	10	\$20.98	Postsecondary vocational training
25-1000	Postsecondary Teachers	480	550	60	12.8%	140	N/A	
25-2011	Preschool Teachers, Except Special Education	510	580	70	14.1%	170	\$13.30	Postsecondary vocational training
25-2012	Kindergarten Teachers, Except Special Education	190	220	20	12.4%	60	N/A	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	1,290	1,460	170	13.3%	470	N/A	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Vocational Education	670	750	90	12.7%	240	N/A	Bachelor's degree
25-2031	Secondary School Teachers, Except Special and Vocational Education	790	840	50	6.6%	280	N/A	Bachelor's degree
25-2032	Vocational Education Teachers, Secondary School	120	120	10	6.9%	40	N/A	Bachelor's or higher degree, plus work experience
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary Sch	170	190	30	15.5%	70	N/A	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	110	120	10	11.2%	40	N/A	Bachelor's degree
25-3099	Teachers and Instructors, All Other	520	590	70	12.6%	150	N/A	Bachelor's degree
25-4031	Library Technicians	340	370	30	8.9%	180	\$10.09	Postsecondary vocational training
25-9031	Instructional Coordinators	20	30	0	17.4%	10	\$22.77	Master's degree
25-9041	Teacher Assistants	1,000	1,080	80	7.8%	290	N/A	Short-term on-the-job training
25-9099	Education, Training, and Library Workers, All Other	200	230	30	14.7%	70	\$8.63	Bachelor's degree
27-1023	Floral Designers	70	70	0	0.0%	20	\$9.70	Short-term on-the-job training
27-1024	Graphic Designers	60	60	0	3.5%	20	\$14.39	Bachelor's degree
27-2022	Coaches and Scouts	120	150	30	24.0%	50	N/A	Long-term on-the-job training
27-2041	Music Directors and Composers	30	30	10	21.4%	10	\$20.44	Bachelor's or higher degree, plus work experience
27-3022	Reporters and Correspondents	20	20	0	-9.1%	10	\$13.46	Bachelor's degree
27-3031	Public Relations Specialists	60	70	10	16.4%	20	\$19.03	Bachelor's degree
27-3041	Editors	20	20	0	-11.8%	0	\$14.18	Bachelor's degree
27-3091	Interpreters and Translators	20	20	0	17.6%	10	\$11.69	Long-term on-the-job training
27-4021	Photographers	220	240	30	11.4%	70	\$11.16	Long-term on-the-job training
29-1011	Chiropractors	50	60	10	14.8%	20	\$19.82	First professional degree
29-1021	Dentists, General	110	130	10	10.5%	50	\$57.45	First professional degree
29-1031	Dietitians and Nutritionists	30	40	0	6.1%	10	\$25.77	Bachelor's degree
29-1051	Pharmacists	180	210	30	18.8%	70	\$49.60	First professional degree

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29-1062	Family and General Practitioners	40	40	10	16.7%	10	\$67.86	First professional degree
29-1063	Internists, General	30	30	0	15.4%	10	N/A	First professional degree
29-1069	Physicians and Surgeons, All Other	150	160	10	7.3%	40	\$99.99	First professional degree
29-1071	Physician Assistants	40	60	10	33.3%	20	\$33.16	Master's degree
29-1081	Podiatrists	20	20	0	6.7%	0	\$50.70	First professional degree
29-1111	Registered Nurses	1,440	1,660	220	15.3%	470	\$26.47	Associate degree
29-1122	Occupational Therapists	40	50	10	20.5%	20	\$19.82	Master's degree
29-1123	Physical Therapists	100	120	20	22.9%	30	\$40.72	Master's degree
29-1126	Respiratory Therapists	40	40	10	13.2%	10	\$20.74	Associate degree
29-1127	Speech-Language Pathologists	90	90	10	9.4%	20	\$26.89	Master's degree
29-1131	Veterinarians	30	50	10	35.3%	20	\$40.38	First professional degree
29-2011	Medical and Clinical Laboratory Technologists	100	100	10	5.2%	20	\$24.19	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	110	120	10	9.4%	30	\$15.74	Associate degree
29-2021	Dental Hygienists	100	130	30	29.3%	50	\$37.17	Associate degree
29-2031	Cardiovascular Technologists and Technicians	40	50	10	17.9%	10	\$12.32	Associate degree
29-2032	Diagnostic Medical Sonographers	30	40	10	14.7%	10	\$25.45	Associate degree
29-2034	Radiologic Technologists and Technicians	150	170	20	10.7%	40	N/A	Associate degree
29-2041	Emergency Medical Technicians and Paramedics	320	370	50	15.8%	120	\$13.09	Postsecondary vocational training
29-2052	Pharmacy Technicians	200	260	60	31.5%	110	\$11.65	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	40	40	0	-2.7%	10	\$11.38	Postsecondary vocational training
29-2054	Respiratory Therapy Technicians	30	20	0	-4.0%	10	\$17.03	Postsecondary vocational training
29-2055	Surgical Technologists	50	60	10	19.6%	20	\$15.02	Postsecondary vocational training
29-2061	Licensed Practical and Licensed Vocational Nurses	1,040	1,190	150	14.6%	480	\$16.24	Postsecondary vocational training
29-2071	Medical Records and Health Information Technicians	190	210	20	11.3%	60	\$15.19	Associate degree
29-2081	Opticians, Dispensing	50	50	0	8.7%	10	\$10.11	Long-term on-the-job training
29-2099	Health Technologists and Technicians, All Other	20	20	0	5.3%	10	N/A	Postsecondary vocational training
29-9011	Occupational Health and Safety Specialists	20	20	0	0.0%	10	\$21.25	Bachelor's degree
31-1012	Nursing Aides, Orderlies, and Attendants	1,620	1,840	220	13.4%	380	\$9.53	Postsecondary vocational training
31-2021	Physical Therapist Assistants	70	90	20	28.6%	30	\$26.04	Associate degree
31-9091	Dental Assistants	260	330	70	27.9%	120	\$15.93	Moderate-term on-the-job training
31-9092	Medical Assistants	400	500	100	24.9%	150	\$13.97	Moderate-term on-the-job training
31-9094	Medical Transcriptionists	40	40	0	5.4%	10	\$15.85	Postsecondary vocational training
31-9095	Pharmacy Aides	50	50	0	-1.9%	10	\$10.43	Short-term on-the-job training
31-9099	Healthcare Support Workers, All Other	60	60	0	7.1%	10	N/A	Short-term on-the-job training
33-1011	First-Line Supervisors/Managers of Correctional Officers	50	50	10	11.1%	20	\$20.83	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	50	50	10	15.6%	30	\$23.92	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	80	100	20	18.3%	60	\$16.39	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	60	70	10	8.3%	30	\$26.48	Work experience in a related occupation
33-2011	Fire Fighters	170	220	50	30.5%	100	\$13.67	Long-term on-the-job training
33-3012	Correctional Officers and Jailers	470	540	70	15.4%	180	\$12.95	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	90	100	10	14.0%	30	\$24.49	Work experience in a related occupation
33-3051	Police and Sheriff's Patrol Officers	430	500	70	16.6%	180	\$16.01	Long-term on-the-job training
33-9011	Animal Control Workers	20	20	0	16.7%	10	\$12.39	Moderate-term on-the-job training
33-9032	Security Guards	530	610	70	13.9%	180	\$16.82	Short-term on-the-job training
33-9099	Protective Service Workers, All Other	70	90	10	19.4%	60	N/A	Short-term on-the-job training
35-1011	Chefs and Head Cooks	80	90	10	12.3%	20	\$13.23	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	610	660	60	9.2%	110	\$12.84	Work experience in a related occupation
35-2011	Cooks, Fast Food	470	510	40	8.7%	160	\$8.43	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	590	610	30	4.2%	180	\$9.24	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	370	410	40	11.1%	140	\$9.42	Long-term on-the-job training
35-2021	Food Preparation Workers	740	800	50	7.3%	320	\$8.62	Short-term on-the-job training
35-3011	Bartenders	160	200	30	19.5%	90	\$9.02	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	2,500	2,930	430	17.4%	960	\$8.42	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	330	360	40	10.7%	280	\$8.47	Short-term on-the-job training
35-3031	Waiters and Waitresses	1,380	1,510	130	9.1%	890	\$8.33	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	40	40	0	5.6%	10	\$7.83	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	220	250	30	11.7%	120	\$8.67	Short-term on-the-job training

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35-9021	Dishwashers	300	340	40	11.7%	160	\$8.45	Short-term on-the-job training
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	210	220	10	6.3%	40	\$14.12	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Grounds Maintenance Workers	80	90	10	13.3%	20	\$17.50	Work experience in a related occupation
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,490	1,520	30	1.9%	310	\$9.95	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	640	630	-10	-2.2%	120	\$8.67	Short-term on-the-job training
37-2021	Pest Control Workers	50	60	10	11.1%	30	\$13.05	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	650	760	110	16.2%	190	\$10.21	Short-term on-the-job training
39-3012	Gaming and Sports Book Writers and Runners	120	140	20	17.8%	70	N/A	Short-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	190	230	40	22.6%	70	\$9.18	Postsecondary vocational training
39-9011	Child Care Workers	610	650	50	8.1%	230	\$8.84	Short-term on-the-job training
39-9021	Personal and Home Care Aides	1,530	2,260	730	48.0%	930	\$8.25	Short-term on-the-job training
39-9032	Recreation Workers	150	170	20	15.6%	50	\$11.47	Short-term on-the-job training
39-9041	Residential Advisors	40	40	0	2.7%	10	\$13.75	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,390	1,510	120	8.5%	410	\$13.66	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	140	140	0	2.2%	30	\$24.50	Work experience in a related occupation
41-2011	Cashiers	3,180	3,390	210	6.7%	1,640	\$8.42	Short-term on-the-job training
41-2022	Parts Salespersons	200	210	10	2.5%	80	\$12.29	Moderate-term on-the-job training
41-2031	Retail Salespersons	2,020	2,260	240	11.9%	810	\$10.32	Short-term on-the-job training
41-3021	Insurance Sales Agents	150	180	20	15.9%	60	\$21.22	Postsecondary vocational training
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	120	130	10	6.6%	40	\$25.66	Work experience in a related occupation
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	380	410	30	7.4%	120	\$19.83	Work experience in a related occupation
41-9099	Sales and Related Workers, All Other	40	40	0	2.7%	10	N/A	Moderate-term on-the-job training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	760	850	90	12.1%	260	\$18.64	Work experience in a related occupation
43-2011	Switchboard Operators, Including Answering Service	160	150	-10	-8.2%	30	\$11.51	Short-term on-the-job training
43-3011	Bill and Account Collectors	130	140	20	13.4%	40	\$13.93	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	300	340	40	14.5%	90	\$12.93	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,680	1,890	210	12.4%	410	\$12.77	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	230	220	-10	-4.0%	50	\$13.71	Moderate-term on-the-job training
43-3071	Tellers	450	500	50	10.4%	230	\$10.83	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	120	130	20	12.8%	50	\$15.05	Short-term on-the-job training
43-4051	Customer Service Representatives	720	850	140	19.3%	360	\$12.86	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	110	130	20	17.4%	40	\$17.71	Moderate-term on-the-job training
43-4071	File Clerks	170	130	-40	-25.0%	40	\$11.24	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	250	290	40	16.1%	120	\$9.12	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	90	100	10	16.5%	30	\$10.59	Short-term on-the-job training
43-4121	Library Assistants, Clerical	220	260	40	16.5%	130	\$9.46	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	200	210	10	6.1%	60	\$12.75	Short-term on-the-job training
43-4141	New Accounts Clerks	40	40	0	5.1%	10	\$14.14	Work experience in a related occupation
43-4151	Order Clerks	170	130	-50	-26.7%	50	\$11.20	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	70	70	0	-4.4%	20	\$14.51	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	380	430	50	13.3%	150	\$10.43	Short-term on-the-job training
43-4199	Information and Record Clerks, All Other	190	160	-30	-16.4%	50	\$17.90	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	130	170	40	29.7%	60	\$12.08	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	60	70	0	4.8%	20	\$11.43	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	60	50	0	-7.1%	20	\$12.40	Short-term on-the-job training
43-5051	Postal Service Clerks	60	40	-10	-23.2%	10	\$25.32	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	250	230	-20	-6.8%	80	\$23.18	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	50	30	-20	-34.8%	0	\$18.72	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	100	100	0	1.0%	30	\$23.84	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	450	440	-10	-1.1%	110	\$12.55	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	1,320	1,520	200	15.1%	500	\$10.33	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	480	540	70	14.5%	130	\$14.54	Work experience in a related occupation
43-6013	Medical Secretaries	290	350	60	20.9%	100	\$12.45	Moderate-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	1,250	1,300	50	3.9%	220	\$12.56	Moderate-term on-the-job training
43-9021	Data Entry Keyers	60	50	0	-3.6%	10	\$11.60	Moderate-term on-the-job training
43-9022	Word Processors and Typists	20	20	0	-11.1%	0	\$13.83	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	50	40	-10	-15.6%	10	\$13.19	Short-term on-the-job training

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Occupation Code	Occupation Title	Employment		Employment Change, 2008-2018		Total Openings	Mean Hourly Wage	Education and Training
		2008	2018	Numeric	Percent			
43-9061	Office Clerks, General	1,200	1,360	160	13.2%	320	\$11.62	Short-term on-the-job training
43-9199	Office and Administrative Support Workers, All Other	50	40	-10	-12.0%	10	N/A	Short-term on-the-job training
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	80	80	10	6.5%	30	\$24.93	Work experience in a related occupation
45-2091	Agricultural Equipment Operators	60	50	0	-6.9%	20	N/A	Short-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	640	610	-30	-5.1%	170	\$10.40	Short-term on-the-job training
45-3011	Fishers and Related Fishing Workers	30	30	0	-10.3%	10	N/A	Moderate-term on-the-job training
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	360	460	100	27.0%	160	\$21.88	Work experience in a related occupation
47-2021	Brickmasons and Blockmasons	20	30	10	23.8%	10	\$17.13	Long-term on-the-job training
47-2031	Carpenters	300	360	60	19.5%	90	\$14.23	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	290	370	80	26.6%	150	\$13.25	Moderate-term on-the-job training
47-2061	Construction Laborers	720	950	230	32.7%	270	\$14.10	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	100	110	10	11.3%	30	\$13.46	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	250	300	40	17.3%	90	\$15.26	Moderate-term on-the-job training
47-2141	Painters, Construction and Maintenance	50	60	10	15.1%	20	N/A	Moderate-term on-the-job training
47-2151	Pipelayers	20	20	10	26.3%	10	\$11.85	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	60	60	10	10.5%	20	\$17.58	Long-term on-the-job training
47-4011	Construction and Building Inspectors	60	70	10	17.9%	20	\$17.84	Work experience in a related occupation
47-4051	Highway Maintenance Workers	250	300	50	20.2%	120	\$12.90	Moderate-term on-the-job training
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	220	240	20	10.1%	80	\$24.85	Work experience in a related occupation
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	50	50	0	-4.2%	10	\$19.46	Postsecondary vocational training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	20	20	0	4.8%	10	\$22.63	Postsecondary vocational training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	60	80	10	23.0%	30	\$27.14	Postsecondary vocational training
49-3021	Automotive Body and Related Repairers	100	100	10	5.3%	30	\$15.74	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	300	320	20	5.3%	80	\$13.03	Postsecondary vocational training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	170	180	10	6.1%	50	\$15.85	Postsecondary vocational training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	20	30	10	25.0%	10	\$15.66	Long-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	150	220	70	47.3%	90	\$17.39	Postsecondary vocational training
49-9041	Industrial Machinery Mechanics	380	440	50	13.9%	110	\$24.01	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	1,050	1,190	140	13.7%	310	N/A	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	70	70	0	4.5%	10	\$17.83	Moderate-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	120	140	20	16.3%	60	\$28.11	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	30	30	0	-9.7%	10	\$22.39	Long-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	40	50	10	20.5%	30	\$10.87	Short-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	70	70	10	7.5%	20	N/A	Moderate-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	530	560	30	5.3%	100	\$21.87	Work experience in a related occupation
51-2092	Team Assemblers	800	850	50	6.7%	230	\$12.55	Moderate-term on-the-job training
51-3011	Bakers	180	190	10	7.3%	60	\$9.52	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	130	130	10	3.9%	50	\$13.22	Long-term on-the-job training
51-3093	Food Cooking Machine Operators and Tenders	40	50	10	15.0%	20	\$8.73	Short-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal	110	100	-10	-8.3%	20	\$12.71	Moderate-term on-the-job training
51-4041	Machinists	280	290	10	3.9%	50	\$15.36	Long-term on-the-job training
51-4111	Tool and Die Makers	20	20	0	5.9%	0	\$18.49	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	270	290	20	6.6%	100	\$16.59	Postsecondary vocational training
51-6011	Laundry and Dry-Cleaning Workers	260	260	10	2.7%	50	\$8.60	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	80	90	10	11.7%	20	\$9.74	Moderate-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	290	380	90	30.6%	150	\$13.47	Long-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	70	90	10	19.2%	30	\$14.72	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	110	140	30	28.7%	50	\$16.39	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	90	90	0	2.4%	10	\$16.05	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	440	440	0	0.5%	80	\$16.62	Moderate-term on-the-job training
51-9081	Dental Laboratory Technicians	20	30	10	31.8%	10	N/A	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	120	130	10	7.4%	30	\$13.02	Short-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	140	150	20	13.2%	80	\$16.20	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	650	710	60	9.1%	170	\$11.89	Short-term on-the-job training
51-9199	Production Workers, All Other	80	90	10	8.3%	30	N/A	Moderate-term on-the-job training
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Workers	200	220	20	8.4%	50	\$20.22	Work experience in a related occupation
53-3022	Bus Drivers, School	380	370	-10	-3.1%	70	\$9.73	Moderate-term on-the-job training

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53-3031	Driver/Sales Workers	330	370	30	9.3%	90	\$13.54	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,290	1,770	480	36.9%	690	\$15.29	Short-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	300	320	20	5.3%	70	\$11.06	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	40	40	10	17.1%	10	N/A	Short-term on-the-job training
53-6011	Bridge and Lock Tenders	20	20	0	0.0%	10	\$24.56	Short-term on-the-job training
53-7011	Conveyor Operators and Tenders	40	40	0	-7.9%	10	\$13.23	Short-term on-the-job training
53-7021	Crane and Tower Operators	50	50	0	-2.1%	10	N/A	Long-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	190	210	30	13.4%	80	\$19.92	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	540	600	70	12.1%	230	\$14.14	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	120	120	0	3.4%	50	\$10.72	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	950	960	20	1.8%	320	\$10.56	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	190	190	0	0.0%	30	\$8.67	Short-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	150	180	30	18.2%	70	\$13.23	Short-term on-the-job training