

**NORTHEAST WORKFORCE INVESTMENT AREA OCCUPATIONAL OUTLOOK, 2006-2016**

Occupation Code	Occupation Title	Employment		Employment Change, 2006-2016		Total Openings	Mean Hourly Wage	Education and Training
		2006	2016	Numeric	Percent			
00-0000	Total, All Occupations	86,490	97,140	10,650	12.31%	30,650	\$16.01	
11-1011	Chief Executives	530	550	20	3.77%	160	\$50.40	Bachelor's or higher degree, plus work experience
11-1021	General and Operations Managers	1,380	1,420	40	2.90%	370	\$35.09	Bachelor's or higher degree, plus work experience
11-1031	Legislators	40	40	0	0.00%	0	N/A	Bachelor's or higher degree, plus work experience
11-2021	Marketing Managers	30	40	10	33.33%	10	\$49.78	Bachelor's or higher degree, plus work experience
11-2022	Sales Managers	130	150	20	15.38%	40	\$35.45	Bachelor's or higher degree, plus work experience
11-3011	Administrative Services Managers	130	150	20	15.38%	50	\$21.77	Bachelor's or higher degree, plus work experience
11-3021	Computer and Information Systems Managers	70	80	10	14.29%	20	\$42.65	Bachelor's or higher degree, plus work experience
11-3031	Financial Managers	280	310	30	10.71%	80	\$36.64	Bachelor's or higher degree, plus work experience
11-3041	Compensation and Benefits Managers	50	60	10	20.00%	20	\$32.49	Bachelor's or higher degree, plus work experience
11-3042	Training and Development Managers	20	20	0	0.00%	0	\$36.51	Bachelor's or higher degree, plus work experience
11-3049	Human Resources Managers, All Other	20	20	0	0.00%	0	\$38.15	Bachelor's or higher degree, plus work experience
11-3051	Industrial Production Managers	140	140	0	0.00%	50	\$40.02	Work experience in a related occupation
11-3061	Purchasing Managers	40	50	10	25.00%	20	\$44.08	Bachelor's or higher degree, plus work experience
11-3071	Transportation, Storage, and Distribution Managers	60	70	10	16.67%	30	\$22.22	Work experience in a related occupation
11-9021	Construction Managers	130	160	30	23.08%	50	\$22.03	Bachelor's degree
11-9031	Education Administrators, Preschool and Child Care Center/Program	30	40	10	33.33%	20	\$15.68	Bachelor's or higher degree, plus work experience
11-9032	Education Administrators, Elementary and Secondary School	200	210	10	5.00%	70	N/A	Bachelor's or higher degree, plus work experience
11-9033	Education Administrators, Postsecondary	80	90	10	12.50%	30	\$39.71	Bachelor's or higher degree, plus work experience
11-9041	Engineering Managers	90	90	0	0.00%	20	\$45.23	Bachelor's or higher degree, plus work experience
11-9051	Food Service Managers	270	300	30	11.11%	90	\$17.36	Work experience in a related occupation
11-9071	Gaming Managers	30	40	10	33.33%	20	\$26.84	Work experience in a related occupation
11-9111	Medical and Health Services Managers	160	170	10	6.25%	40	\$29.69	Bachelor's or higher degree, plus work experience
11-9131	Postmasters and Mail Superintendents	50	50	0	0.00%	10	\$27.69	Work experience in a related occupation
11-9141	Property, Real Estate, and Community Association Managers	240	270	30	12.50%	60	\$15.08	Bachelor's degree
11-9151	Social and Community Service Managers	80	100	20	25.00%	30	\$17.90	Bachelor's degree
11-9199	Managers, All Other	270	290	20	7.41%	70	\$13.93	Work experience in a related occupation
13-1021	Purchasing Agents and Buyers, Farm Products	30	30	0	0.00%	0	\$16.32	Long-term on-the-job training
13-1022	Wholesale and Retail Buyers, Except Farm Products	30	40	10	33.33%	10	\$24.77	Long-term on-the-job training
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	190	200	10	5.26%	50	\$29.13	Long-term on-the-job training
13-1031	Claims Adjusters, Examiners, and Investigators	50	50	0	0.00%	10	\$21.81	Long-term on-the-job training
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety	130	150	20	15.38%	40	\$18.52	Long-term on-the-job training
13-1051	Cost Estimators	70	80	10	14.29%	30	\$22.03	Bachelor's degree
13-1071	Employment, Recruitment, and Placement Specialists	70	90	20	28.57%	30	\$20.23	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	100	120	20	20.00%	40	\$27.21	Bachelor's degree
13-1073	Training and Development Specialists	150	170	20	13.33%	60	\$20.32	Bachelor's or higher degree, plus work experience
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	20	30	10	50.00%	10	\$27.27	Bachelor's degree
13-1111	Management Analysts	100	110	10	10.00%	30	\$28.34	Bachelor's or higher degree, plus work experience
13-1199	Business Operations Specialists, All Other	80	110	30	37.50%	30	\$25.31	Bachelor's degree
13-2011	Accountants and Auditors	1,270	1,440	170	13.39%	390	\$29.79	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	80	90	10	12.50%	30	\$14.65	Bachelor's degree
13-2041	Credit Analysts	100	100	0	0.00%	40	\$23.72	Bachelor's degree
13-2051	Financial Analysts	60	70	10	16.67%	20	\$36.67	Bachelor's degree
13-2072	Loan Officers	190	210	20	10.53%	40	\$19.78	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Revenue Agents	30	30	0	0.00%	10	\$20.94	Bachelor's degree
15-1021	Computer Programmers	160	150	-10	-6.25%	30	\$24.40	Bachelor's degree
15-1031	Computer Software Engineers, Applications	110	150	40	36.36%	60	N/A	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	20	30	10	50.00%	10	\$35.27	Bachelor's degree
15-1041	Computer Support Specialists	410	450	40	9.76%	170	\$32.32	Associate degree
15-1051	Computer Systems Analysts	140	180	40	28.57%	70	\$30.43	Bachelor's degree
15-1061	Database Administrators	80	100	20	25.00%	30	\$36.98	Bachelor's degree
15-1071	Network and Computer Systems Administrators	110	130	20	18.18%	50	\$28.71	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	160	230	70	43.75%	100	\$31.51	Bachelor's degree
15-1099	Computer Specialists, All Other	50	60	10	20.00%	30	\$33.19	Associate degree
17-1022	Surveyors	20	20	0	0.00%	10	\$18.77	Bachelor's degree
17-2051	Civil Engineers	90	100	10	11.11%	40	\$33.06	Bachelor's degree

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		2006	2016	Numeric	Percent			
17-2071	Electrical Engineers	50	50	0	0.00%	10	\$29.32	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	40	40	0	0.00%	10	\$32.82	Bachelor's degree
17-2112	Industrial Engineers	30	40	10	33.33%	20	\$31.04	Bachelor's degree
17-2141	Mechanical Engineers	230	240	10	4.35%	60	\$33.41	Bachelor's degree
17-2171	Petroleum Engineers	40	40	0	0.00%	10	\$45.08	Bachelor's degree
17-3012	Electrical and Electronics Drafters	30	30	0	0.00%	10	\$22.35	Postsecondary vocational training
17-3013	Mechanical Drafters	60	60	0	0.00%	20	\$21.74	Postsecondary vocational training
17-3022	Civil Engineering Technicians	20	20	0	0.00%	10	\$20.49	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	30	30	0	0.00%	10	\$22.99	Associate degree
17-3031	Surveying and Mapping Technicians	60	70	10	16.67%	20	\$14.06	Moderate-term on-the-job training
19-1031	Conservation Scientists	20	20	0	0.00%	10	\$28.37	Bachelor's degree
19-2031	Chemists	40	40	0	0.00%	20	\$32.39	Bachelor's degree
19-3021	Market Research Analysts	40	50	10	25.00%	10	\$23.51	Bachelor's degree
19-3031	Clinical, Counseling, and School Psychologists	160	180	20	12.50%	50	\$25.62	Doctoral degree
21-1011	Substance Abuse and Behavioral Disorder Counselors	160	200	40	25.00%	80	\$14.89	Bachelor's degree
21-1012	Educational, Vocational, and School Counselors	360	420	60	16.67%	130	\$15.58	Master's degree
21-1014	Mental Health Counselors	40	50	10	25.00%	20	\$17.18	Master's degree
21-1015	Rehabilitation Counselors	110	130	20	18.18%	40	\$12.14	Master's degree
21-1021	Child, Family, and School Social Workers	140	160	20	14.29%	50	\$15.85	Bachelor's degree
21-1022	Medical and Public Health Social Workers	40	40	0	0.00%	20	\$18.18	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	40	40	0	0.00%	20	\$18.84	Master's degree
21-1029	Social Workers, All Other	20	30	10	50.00%	10	\$15.27	Bachelor's degree
21-1093	Social and Human Service Assistants	130	170	40	30.77%	50	\$13.36	Moderate-term on-the-job training
21-1099	Community and Social Service Specialists, All Other	20	20	0	0.00%	10	\$13.47	Bachelor's degree
21-2011	Clergy	30	30	0	0.00%	10	\$16.39	Master's degree
23-1011	Lawyers	270	300	30	11.11%	90	\$34.60	First professional degree
23-1023	Judges, Magistrate Judges, and Magistrates	20	30	10	50.00%	10	\$44.60	Bachelor's or higher degree, plus work experience
23-2011	Paralegals and Legal Assistants	80	100	20	25.00%	30	\$19.88	Associate degree
23-2093	Title Examiners, Abstractors, and Searchers	120	110	-10	-8.33%	20	\$11.11	Moderate-term on-the-job training
25-1021	Computer Science Teachers, Postsecondary	20	20	0	0.00%	10	N/A	Master's degree
25-1072	Nursing Instructors and Teachers, Postsecondary	30	40	10	33.33%	10	N/A	Doctoral degree
25-2011	Preschool Teachers, Except Special Education	390	480	90	23.08%	150	\$11.03	Postsecondary vocational training
25-2012	Kindergarten Teachers, Except Special Education	150	180	30	20.00%	50	N/A	Bachelor's degree
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary S	140	170	30	21.43%	60	N/A	Bachelor's degree
25-2042	Special Education Teachers, Middle School	100	110	10	10.00%	40	N/A	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	110	120	10	9.09%	40	N/A	Bachelor's degree
25-3099	Teachers and Instructors, All Other	550	610	60	10.91%	120	N/A	Bachelor's degree
25-4021	Librarians	110	110	0	0.00%	40	\$19.00	Master's degree
25-4031	Library Technicians	80	90	10	12.50%	50	\$8.91	Postsecondary vocational training
25-9031	Instructional Coordinators	40	50	10	25.00%	20	\$23.76	Master's degree
25-9041	Teacher Assistants	860	940	80	9.30%	230	N/A	Short-term on-the-job training
27-1021	Commercial and Industrial Designers	30	30	0	0.00%	10	\$26.20	Bachelor's degree
27-1023	Floral Designers	30	30	0	0.00%	10	\$9.43	Moderate-term on-the-job training
27-1024	Graphic Designers	40	40	0	0.00%	10	\$17.17	Bachelor's degree
27-2022	Coaches and Scouts	120	150	30	25.00%	60	N/A	Long-term on-the-job training
27-3022	Reporters and Correspondents	30	20	-10	-33.33%	10	\$15.89	Bachelor's degree
27-3031	Public Relations Specialists	70	80	10	14.29%	20	\$25.06	Bachelor's degree
27-3042	Technical Writers	20	20	0	0.00%	10	\$25.94	Bachelor's degree
27-3043	Writers and Authors	20	30	10	50.00%	10	N/A	Bachelor's degree
27-3091	Interpreters and Translators	20	20	0	0.00%	10	\$9.62	Long-term on-the-job training
27-4021	Photographers	70	80	10	14.29%	20	\$16.71	Long-term on-the-job training
29-1021	Dentists, General	50	50	0	0.00%	10	\$59.83	First professional degree
29-1031	Dietitians and Nutritionists	20	20	0	0.00%	0	\$20.99	Bachelor's degree
29-1041	Optometrists	40	40	0	0.00%	10	\$45.38	First professional degree
29-1051	Pharmacists	140	180	40	28.57%	60	\$45.43	First professional degree
29-1062	Family and General Practitioners	30	30	0	0.00%	10	\$72.91	First professional degree

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29-1066	Psychiatrists	30	30	0	0.00%	10	\$77.61	First professional degree
29-1069	Physicians and Surgeons, All Other	190	200	10	5.26%	50	\$106.49	First professional degree
29-1071	Physician Assistants	30	40	10	33.33%	10	\$40.24	Master's degree
29-1111	Registered Nurses	1,240	1,440	200	16.13%	400	\$22.66	Associate degree
29-1122	Occupational Therapists	710	840	130	18.31%	230	\$9.70	Master's degree
29-1123	Physical Therapists	110	120	10	9.09%	30	\$30.30	Master's degree
29-1125	Recreational Therapists	40	40	0	0.00%	10	\$13.15	Bachelor's degree
29-1126	Respiratory Therapists	40	40	0	0.00%	10	\$20.84	Associate degree
29-1127	Speech-Language Pathologists	60	60	0	0.00%	20	\$21.08	Master's degree
29-1131	Veterinarians	90	110	20	22.22%	40	\$26.09	First professional degree
29-2011	Medical and Clinical Laboratory Technologists	100	110	10	10.00%	20	\$22.77	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	30	30	0	0.00%	10	\$14.82	Associate degree
29-2021	Dental Hygienists	30	40	10	33.33%	10	\$33.46	Associate degree
29-2032	Diagnostic Medical Sonographers	20	20	0	0.00%	0	\$28.35	Associate degree
29-2034	Radiologic Technologists and Technicians	110	120	10	9.09%	20	\$21.65	Associate degree
29-2041	Emergency Medical Technicians and Paramedics	290	330	40	13.79%	70	\$14.18	Postsecondary vocational training
29-2052	Pharmacy Technicians	160	230	70	43.75%	110	\$10.36	Moderate-term on-the-job training
29-2054	Respiratory Therapy Technicians	30	20	-10	-33.33%	10	\$18.17	Associate degree
29-2055	Surgical Technologists	50	60	10	20.00%	20	\$14.37	Postsecondary vocational training
29-2056	Veterinary Technologists and Technicians	40	50	10	25.00%	30	\$11.50	Associate degree
29-2061	Licensed Practical and Licensed Vocational Nurses	670	710	40	5.97%	230	\$14.00	Postsecondary vocational training
29-2071	Medical Records and Health Information Technicians	140	150	10	7.14%	50	\$14.60	Associate degree
29-9011	Occupational Health and Safety Specialists	50	50	0	0.00%	20	\$32.06	Bachelor's degree
31-1011	Home Health Aides	220	310	90	40.91%	110	\$9.58	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,190	1,310	120	10.08%	230	\$9.16	Postsecondary vocational training
31-2011	Occupational Therapist Assistants	20	20	0	0.00%	10	\$17.06	Associate degree
31-2021	Physical Therapist Assistants	110	140	30	27.27%	40	\$16.75	Associate degree
31-2022	Physical Therapist Aides	30	30	0	0.00%	10	\$11.02	Short-term on-the-job training
31-9091	Dental Assistants	170	200	30	17.65%	60	\$13.05	Moderate-term on-the-job training
31-9092	Medical Assistants	130	170	40	30.77%	50	\$12.16	Moderate-term on-the-job training
31-9094	Medical Transcriptionists	30	30	0	0.00%	10	\$16.19	Postsecondary vocational training
31-9095	Pharmacy Aides	30	30	0	0.00%	0	\$7.99	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20	20	0	0.00%	0	\$9.58	Short-term on-the-job training
33-1011	First-Line Supervisors/Managers of Correctional Officers	30	40	10	33.33%	20	\$21.43	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	110	130	20	18.18%	60	\$28.55	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	30	40	10	33.33%	20	\$19.83	Work experience in a related occupation
33-2011	Fire Fighters	230	280	50	21.74%	130	\$15.99	Long-term on-the-job training
33-3012	Correctional Officers and Jailers	490	610	120	24.49%	230	\$12.69	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	70	80	10	14.29%	30	\$18.48	Work experience in a related occupation
33-3051	Police and Sheriff's Patrol Officers	440	540	100	22.73%	210	\$15.23	Long-term on-the-job training
33-9011	Animal Control Workers	30	30	0	0.00%	10	\$10.68	Moderate-term on-the-job training
33-9031	Gaming Surveillance Officers and Gaming Investigators	130	200	70	53.85%	100	\$13.11	Moderate-term on-the-job training
33-9032	Security Guards	540	700	160	29.63%	270	\$11.41	Short-term on-the-job training
35-1011	Chefs and Head Cooks	50	60	10	20.00%	20	\$10.85	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	590	670	80	13.56%	130	\$10.35	Work experience in a related occupation
35-2011	Cooks, Fast Food	480	540	60	12.50%	190	\$7.27	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	630	670	40	6.35%	210	\$8.39	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	570	640	70	12.28%	230	\$8.45	Long-term on-the-job training
35-2021	Food Preparation Workers	510	610	100	19.61%	270	\$7.73	Short-term on-the-job training
35-3011	Bartenders	190	230	40	21.05%	110	\$7.28	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,700	2,050	350	20.59%	670	\$7.10	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	280	320	40	14.29%	230	\$7.42	Short-term on-the-job training
35-3031	Waiters and Waitresses	1,130	1,290	160	14.16%	780	\$7.19	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	240	270	30	12.50%	70	\$7.26	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	360	390	30	8.33%	190	\$6.85	Short-term on-the-job training
35-9021	Dishwashers	630	700	70	11.11%	330	\$7.21	Short-term on-the-job training

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35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	140	180	40	28.57%	140	\$7.50	Short-term on-the-job training
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	140	160	20	14.29%	40	\$13.81	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Gro	70	80	10	14.29%	20	\$14.09	Work experience in a related occupation
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,210	1,460	250	20.66%	480	\$9.51	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	500	590	90	18.00%	190	\$7.69	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	570	650	80	14.04%	160	\$9.78	Short-term on-the-job training
39-1011	Gaming Supervisors	90	130	40	44.44%	60	\$22.95	Work experience in a related occupation
39-1012	Slot Key Persons	130	170	40	30.77%	60	\$9.40	Postsecondary vocational training
39-2021	Nonfarm Animal Caretakers	80	90	10	12.50%	20	\$7.47	Short-term on-the-job training
39-3011	Gaming Dealers	270	360	90	33.33%	140	\$8.42	Postsecondary vocational training
39-3012	Gaming and Sports Book Writers and Runners	80	110	30	37.50%	50	\$9.89	Short-term on-the-job training
39-4021	Funeral Attendants	40	40	0	0.00%	20	\$8.25	Short-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	80	90	10	12.50%	20	\$9.11	Postsecondary vocational training
39-9011	Child Care Workers	330	400	70	21.21%	160	\$7.97	Short-term on-the-job training
39-9021	Personal and Home Care Aides	220	310	90	40.91%	130	\$8.99	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	50	60	10	20.00%	20	\$13.52	Postsecondary vocational training
39-9032	Recreation Workers	70	80	10	14.29%	20	\$8.70	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	970	1,080	110	11.34%	320	\$15.68	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	90	100	10	11.11%	20	\$27.36	Work experience in a related occupation
41-2011	Cashiers	2,510	2,610	100	3.98%	1,300	\$7.89	Short-term on-the-job training
41-2012	Gaming Change Persons and Booth Cashiers	300	380	80	26.67%	220	\$9.54	Short-term on-the-job training
41-2021	Counter and Rental Clerks	200	240	40	20.00%	120	\$8.92	Short-term on-the-job training
41-2022	Parts Salespersons	170	180	10	5.88%	30	\$10.60	Moderate-term on-the-job training
41-2031	Retail Salespersons	2,420	2,910	490	20.25%	1,240	\$9.82	Short-term on-the-job training
41-3011	Advertising Sales Agents	50	50	0	0.00%	10	\$24.06	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	490	560	70	14.29%	180	N/A	Bachelor's degree
41-3031	Securities, Commodities, and Financial Services Sales Agents	80	110	30	37.50%	40	\$34.09	Bachelor's degree
41-3099	Sales Representatives, Services, All Other	90	120	30	33.33%	50	\$20.64	Work experience in a related occupation
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Sci	190	220	30	15.79%	70	\$24.23	Work experience in a related occupation
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical	430	470	40	9.30%	140	\$21.17	Work experience in a related occupation
41-9022	Real Estate Sales Agents	280	300	20	7.14%	60	\$23.34	Postsecondary vocational training
41-9031	Sales Engineers	20	20	0	0.00%	0	\$36.43	Bachelor's degree
41-9041	Telemarketers	30	30	0	0.00%	10	\$11.49	Short-term on-the-job training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Wc	680	740	60	8.82%	190	\$17.21	Work experience in a related occupation
43-2011	Switchboard Operators, Including Answering Service	120	120	0	0.00%	30	\$9.93	Short-term on-the-job training
43-3011	Bill and Account Collectors	110	130	20	18.18%	30	\$13.47	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	250	250	0	0.00%	30	\$12.46	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,630	1,860	230	14.11%	490	\$12.99	Moderate-term on-the-job training
43-3041	Gaming Cage Workers	70	90	20	28.57%	40	\$9.69	Short-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	170	180	10	5.88%	50	\$18.06	Moderate-term on-the-job training
43-3061	Procurement Clerks	80	80	0	0.00%	20	\$16.86	Moderate-term on-the-job training
43-3071	Tellers	470	560	90	19.15%	290	\$9.69	Short-term on-the-job training
43-4011	Brokerage Clerks	20	20	0	0.00%	10	\$11.35	Moderate-term on-the-job training
43-4031	Court, Municipal, and License Clerks	120	160	40	33.33%	60	\$11.58	Short-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Clerks	30	30	0	0.00%	10	\$15.69	Short-term on-the-job training
43-4051	Customer Service Representatives	870	1,110	240	27.59%	480	\$12.06	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	60	70	10	16.67%	20	\$14.71	Moderate-term on-the-job training
43-4071	File Clerks	170	100	-70	-41.18%	50	\$10.09	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	50	50	0	0.00%	20	\$11.37	Short-term on-the-job training
43-4121	Library Assistants, Clerical	40	40	0	0.00%	20	\$7.61	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	60	60	0	0.00%	10	\$12.75	Short-term on-the-job training
43-4141	New Accounts Clerks	60	50	-10	-16.67%	20	\$12.21	Work experience in a related occupation
43-4151	Order Clerks	100	70	-30	-30.00%	20	\$12.65	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	100	110	10	10.00%	20	\$17.34	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	670	790	120	17.91%	280	\$9.75	Short-term on-the-job training
43-4199	Information and Record Clerks, All Other	70	70	0	0.00%	10	\$16.21	Short-term on-the-job training

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Occupation Code	Occupation Title	Employment		Employment Change, 2006-2016		Total Openings	Mean Hourly Wage	Education and Training
		2006	2016	Numeric	Percent			
43-5021	Couriers and Messengers	30	30	0	0.00%	10	\$11.51	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	60	80	20	33.33%	30	\$13.08	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	110	120	10	9.09%	40	\$16.48	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	120	110	-10	-8.33%	40	\$10.39	Short-term on-the-job training
43-5051	Postal Service Clerks	50	50	0	0.00%	10	\$25.19	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	270	290	20	7.41%	90	\$21.75	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operat	70	70	0	0.00%	10	\$19.13	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	150	160	10	6.67%	50	\$20.98	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	430	480	50	11.63%	160	\$12.73	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	1,050	1,000	-50	-4.76%	250	\$10.37	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	40	30	-10	-25.00%	10	\$11.04	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	670	760	90	13.43%	200	\$16.76	Work experience in a related occupation
43-6012	Legal Secretaries	220	230	10	4.55%	50	\$12.68	Associate degree
43-6013	Medical Secretaries	300	320	20	6.67%	70	\$12.09	Moderate-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	1,280	1,310	30	2.34%	240	\$11.44	Moderate-term on-the-job training
43-9011	Computer Operators	90	70	-20	-22.22%	10	\$26.14	Moderate-term on-the-job training
43-9021	Data Entry Keyers	70	60	-10	-14.29%	20	\$10.21	Moderate-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	90	90	0	0.00%	10	\$15.69	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	40	30	-10	-25.00%	10	\$12.57	Short-term on-the-job training
43-9061	Office Clerks, General	1,630	1,920	290	17.79%	580	\$11.24	Short-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	420	470	50	11.90%	160	\$8.65	Short-term on-the-job training
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction V	490	550	60	12.24%	130	\$22.48	Work experience in a related occupation
47-2011	Boilermakers	40	50	10	25.00%	20	\$21.63	Long-term on-the-job training
47-2021	Brickmasons and Blockmasons	120	140	20	16.67%	40	\$14.69	Long-term on-the-job training
47-2031	Carpenters	490	560	70	14.29%	130	\$13.16	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	370	430	60	16.22%	160	\$14.40	Moderate-term on-the-job training
47-2061	Construction Laborers	630	710	80	12.70%	120	\$12.95	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	50	60	10	20.00%	20	\$13.41	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	380	440	60	15.79%	130	\$15.34	Moderate-term on-the-job training
47-2111	Electricians	370	400	30	8.11%	130	\$19.98	Long-term on-the-job training
47-2141	Painters, Construction and Maintenance	190	230	40	21.05%	70	\$15.16	Moderate-term on-the-job training
47-2151	Pipelayers	80	100	20	25.00%	30	\$10.91	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	110	120	10	9.09%	40	\$15.47	Long-term on-the-job training
47-2211	Sheet Metal Workers	40	40	0	0.00%	10	\$12.75	Long-term on-the-job training
47-2221	Structural Iron and Steel Workers	30	40	10	33.33%	10	\$14.48	Long-term on-the-job training
47-3012	Helpers--Carpenters	80	90	10	12.50%	30	\$9.83	Short-term on-the-job training
47-3013	Helpers--Electricians	40	50	10	25.00%	20	\$11.83	Short-term on-the-job training
47-3015	Helpers--Pipefitters, Plumbers, Pipefitters, and Steamfitters	80	90	10	12.50%	30	\$9.94	Short-term on-the-job training
47-4011	Construction and Building Inspectors	40	50	10	25.00%	20	\$21.09	Work experience in a related occupation
47-4051	Highway Maintenance Workers	190	230	40	21.05%	80	\$13.59	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil, Gas, and Mining	40	50	10	25.00%	10	\$20.95	Moderate-term on-the-job training
47-5071	Roustabouts, Oil and Gas	230	250	20	8.70%	90	\$15.09	Moderate-term on-the-job training
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	310	340	30	9.68%	110	\$25.18	Work experience in a related occupation
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Inc	80	70	-10	-12.50%	20	\$25.97	Postsecondary vocational training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipme	40	50	10	25.00%	20	\$23.06	Postsecondary vocational training
49-3021	Automotive Body and Related Repairers	160	190	30	18.75%	70	\$16.22	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	440	540	100	22.73%	190	\$14.07	Postsecondary vocational training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	220	260	40	18.18%	80	\$15.60	Postsecondary vocational training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	100	120	20	20.00%	30	\$15.69	Long-term on-the-job training
49-3051	Motorboat Mechanics	90	110	20	22.22%	40	\$13.88	Long-term on-the-job training
49-3052	Motorcycle Mechanics	20	20	0	0.00%	10	\$15.47	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	20	20	0	0.00%	0	\$12.11	Moderate-term on-the-job training
49-3093	Tire Repairers and Changers	230	280	50	21.74%	100	\$8.46	Short-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	140	170	30	21.43%	50	\$21.32	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	290	350	60	20.69%	100	\$19.01	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	1,030	1,130	100	9.71%	130	\$16.40	Moderate-term on-the-job training

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Occupation Code	Occupation Title	Employment		Employment Change, 2006-2016		Total Openings	Mean Hourly Wage	Education and Training
		2006	2016	Numeric	Percent			
49-9043	Maintenance Workers, Machinery	110	110	0	0.00%	20	\$16.04	Moderate-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	150	170	20	13.33%	60	\$17.31	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	200	190	-10	-5.00%	50	\$22.58	Long-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	70	100	30	42.86%	50	\$13.77	Moderate-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	80	90	10	12.50%	30	\$10.87	Short-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	660	700	40	6.06%	150	\$22.74	Work experience in a related occupation
51-2022	Electrical and Electronic Equipment Assemblers	410	330	-80	-19.51%	70	\$13.31	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	290	330	40	13.79%	80	\$13.60	Moderate-term on-the-job training
51-2092	Team Assemblers	1,330	1,460	130	9.77%	400	\$11.69	Moderate-term on-the-job training
51-3011	Bakers	80	90	10	12.50%	30	\$9.21	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	130	160	30	23.08%	70	\$10.07	Long-term on-the-job training
51-3093	Food Cooking Machine Operators and Tenders	40	40	0	0.00%	20	\$9.72	Short-term on-the-job training
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	90	90	0	0.00%	20	\$16.80	Moderate-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	50	50	0	0.00%	10	\$15.45	Moderate-term on-the-job training
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	50	60	10	20.00%	10	\$13.36	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	170	150	-20	-11.76%	40	\$14.30	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	70	60	-10	-14.29%	10	\$14.47	Moderate-term on-the-job training
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	130	130	0	0.00%	10	\$13.78	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	60	50	-10	-16.67%	10	\$14.67	Moderate-term on-the-job training
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	40	40	0	0.00%	0	\$10.32	Moderate-term on-the-job training
51-4041	Machinists	600	630	30	5.00%	120	\$16.10	Long-term on-the-job training
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	140	130	-10	-7.14%	30	N/A	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30	30	0	0.00%	10	\$12.67	Moderate-term on-the-job training
51-4111	Tool and Die Makers	50	60	10	20.00%	20	\$18.23	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	720	830	110	15.28%	260	\$14.20	Postsecondary vocational training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders, Metal and Plastic	50	60	10	20.00%	20	\$15.76	Postsecondary vocational training
51-4194	Tool Grinders, Filers, and Sharpeners	40	30	-10	-25.00%	10	\$10.69	Moderate-term on-the-job training
51-5011	Bindery Workers	50	40	-10	-20.00%	10	\$11.58	Short-term on-the-job training
51-5023	Printing Machine Operators	40	40	0	0.00%	10	\$12.35	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	240	260	20	8.33%	70	\$8.51	Moderate-term on-the-job training
51-6031	Sewing Machine Operators	200	150	-50	-25.00%	20	\$8.82	Moderate-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	110	140	30	27.27%	60	\$14.68	Long-term on-the-job training
51-7021	Furniture Finishers	20	20	0	0.00%	0	\$10.29	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	30	40	10	33.33%	10	\$10.51	Moderate-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	20	30	10	50.00%	10	\$18.11	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	170	200	30	17.65%	60	\$13.84	Long-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	50	50	0	0.00%	10	\$18.95	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	90	90	0	0.00%	20	\$15.32	Moderate-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	60	80	20	33.33%	20	\$13.12	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	410	410	0	0.00%	60	\$16.63	Moderate-term on-the-job training
51-9081	Dental Laboratory Technicians	20	20	0	0.00%	0	\$17.49	Long-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	70	70	0	0.00%	20	\$13.91	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders, Metal and Plastic	210	210	0	0.00%	40	\$15.14	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	40	50	10	25.00%	10	\$15.23	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	680	730	50	7.35%	220	\$11.55	Short-term on-the-job training
51-9199	Production Workers, All Other	420	490	70	16.67%	160	\$9.65	Moderate-term on-the-job training
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers	110	140	30	27.27%	50	\$17.40	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Equipment Operators	90	120	30	33.33%	40	\$18.81	Work experience in a related occupation
53-3022	Bus Drivers, School	310	330	20	6.45%	70	\$9.02	Moderate-term on-the-job training
53-3031	Driver/Sales Workers	150	140	-10	-6.67%	30	\$10.33	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	2,080	2,480	400	19.23%	770	\$18.46	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	370	460	90	24.32%	150	\$12.37	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	140	160	20	14.29%	40	\$10.15	Short-term on-the-job training
53-6031	Service Station Attendants	90	120	30	33.33%	70	\$9.79	Short-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	370	400	30	8.11%	90	\$16.08	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	240	240	0	0.00%	60	\$14.09	Short-term on-the-job training

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53-7061	Cleaners of Vehicles and Equipment	110	120	10	9.09%	60	\$10.24	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,370	1,480	110	8.03%	550	\$10.64	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	860	820	-40	-4.65%	110	\$9.90	Short-term on-the-job training
53-7073	Wellhead Pumpers	80	80	0	0.00%	30	\$13.02	Moderate-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	100	110	10	10.00%	40	\$12.86	Short-term on-the-job training