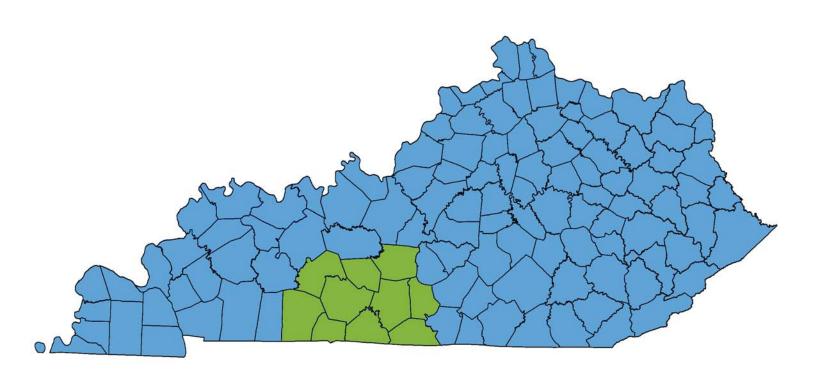
South Central Local Workforce Area Occupational Outlook to 2024





Bluegrass Local Workforce Area Occupational Outlook to 2024

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PREFACE

The information and projections contained in this publication are based on a broad range of labor market information and statistics that are collected and analyzed by the staff of the Labor Market Information (LMI) section.

The Occupational Employment Statistics (OES) survey of approximately 20,000 Kentucky employers provided the occupational employment data used in the study. The data obtained from the Current Employment Statistics (CES) and the Quarterly Census of Employment and Wages (QCEW) programs were used to project industries to the year 2024.

The U.S. Department of Labor (USDOL), Employment and Training Administration (ETA) provided funding for the publication and projections. The national industry and occupational projections developed by the U. S. Department of Labor, Bureau of Labor Statistics (BLS), were used in conjunction with state and regional trends to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis, provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the projections. Special thanks to Kentucky employers who completed the questionnaires that provide the employment information necessary to complete this project.

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INTRODUCTION

South Central Local Workforce Area

Which jobs will be in demand? Which occupations will provide the largest number of job openings? Which are likely to grow or decline? The *South Central Local Workforce Area Occupational Outlook to 2024* offers answers and insight regarding these often-asked questions. Students, job seekers, counselors and others will find this information beneficial.

Tables listing the 25 occupations with the largest number of annual job openings and the 25 fastest-growing occupations are included. They also provide occupational employment projections, the number and percentage of expected change and the average number of annual job openings for the period 2014 to 2024.

Please note that the estimates and projections are subject to limitations that are a part of any effort to determine future conditions. Long-term job trends offer insight into the occupational growth or decline in the area. The projections are carefully prepared using accepted methods within a framework of national, state and area assumptions. However, they will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the <u>demand</u> for labor from 2014 through 2024. The <u>supply</u>, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

The development and utilization of our human resources is always a priority for those concerned with employment training. It is crucial that education and training planners, business, labor, government, and job seekers have the necessary occupational information to aid them in the development of education and training programs. This publication was intended to assist in these efforts.

NOTE: Prior to 2000, the Occupational Employment Statistics (OES) codes were used to classify occupations. The 2014-2024 projections use the Standard Occupational Classification (SOC) system. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different from those used before 2000. Several major groups have been renamed, combined or reorganized. Some individual occupations have been renamed, reclassified, or are no longer listed. Many newer occupations may be listed for the first time. Because of these changes, the 2014-2024 projections are not comparable to those completed before 2000. Information on the SOC system is available on the U.S. Bureau of Labor Statistics SOC Home Page http://www.bls.gov/soc/home.htm.

South Central Local Workforce Area HIGHLIGHTS 2014-2024

- Employment is projected to grow from 110,640 to 123,858 a gain of 11.95 percent.
- Total annual job openings are expected to be about 4,068
- Growth in employment will create about 1,385 job openings annually.
- Approximately 2,683 annual job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- Thirty-four percent of job openings will result from growth; the remaining 66 percent will result from separations from the labor force.
- The greatest number of annual job openings will be in Office and Production Occupations (568) followed Office and Administrative Support Occupations (494), Food Preparation and Serving Related Occupations (465).
- The two occupations with the largest projected number of annual job openings Combined Food Preparation and Serving Workers, Including Fast Food (193) and Retail Salespersons (177).
- The highest growth rates among occupational groups are likely to be Healthcare Support Occupations (21.86%) followed by Healthcare Practitioners and Technical Occupations (21.33%) and Computer and Mathematical Occupations (19.82%).

USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?	Total average annual job openings, and employment change expressed as a percentage. The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.
What creates job openings?	Employment growth (new jobs), and employment separations (job vacancies created by persons separating from an occupation).
What causes employment change?	Industrial growth or decline has the greatest influence. This occurs when the demand for goods and services rises, thus the demand for workers increases. Technological change may raise the demand for some skills while eliminating the demand for others. Self-service, out-sourcing, or 24 hour operations can also affect employment change.
What about employment separations?	Employment separations are still important when evaluating the potential outlook for an occupation. Job openings are created when employees separate from occupations because of retirements, promotions, career changes, death, etc. The number of separations can exceed new jobs.
Do workers tend to leave one occupation more than other occupations?	Every occupation has a different rate of employment separation. Occupations requiring more education and training and/or having a high percentage of full time workers tend to have low separation rates. Those requiring little education and/or training tend to have higher separation rates.
What factors affect the number of job openings for an occupation?	The number of workers who are currently employed, the number of job vacancies created by worker separation, and the rate of change, i.e., how fast the occupation is growing or declining.
Which factor is more important?	The size of employment and separation rate is more important than rate of change.
What is the best way to compare one occupation with another?	Look at the total average annual job openings, not just openings resulting from growth. A large number of openings indicate it should be relatively easy to find a job in that occupation. Also, consider the rate of employment change. A high percentage increase denotes there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

Top 25 Fastest Growing South Central Local Workforce Area Occupations
Most Annual Openings

		Occupational	Emplo	yment	Char	Annual	
			2014	2024			Openings
Rank	Code	Title	Estimated	Projected	Number	Percent	
1	35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	4,636	5,067	431	9.30	193
2	41-2031	Retail Salespersons	3,924	4,336	412	10.50	177
3	51-2092	Team Assemblers	4,294	4,660	366	8.52	129
4	41-2011	Cashiers	3,021	2,998	-23	-0.76	128
5	43-4051	Customer Service Representatives	2,797	3,323	526	18.81	122
6	29-1141	Registered Nurses	2,179	2,713	534	24.51	104
7	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,126	2,440	314	14.77	94
8	35-3031	Waiters and Waitresses	1,595	1,606	11	0.69	78
9	31-1014	Nursing Assistants	1,488	1,776	288	19.35	63
10	43-5081	Stock Clerks and Order Fillers	1,498	1,592	94	6.28	57
11	11-1021	General and Operations Managers	1,477	1,634	157	10.63	53
12	53-3032	Heavy and Tractor-Trailer Truck Drivers	1,508	1,777	269	17.84	53
13	53-7064	Packers and Packagers, Hand	951	1,204	253	26.60	50
14	49-9041	Industrial Machinery Mechanics	853	1,127	274	32.12	49
15	49-9071	Maintenance and Repair Workers, General	1,222	1,392	170	13.91	49
16	37-2012	Maids and Housekeeping Cleaners	1,312	1,470	158	12.04	47
17	35-2014	Cooks, Restaurant	1,087	1,228	141	12.97	43
18	41-1011	First-Line Supervisors of Retail Sales Workers	1,345	1,445	100	7.43	40
19	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical	1,040	1,215	175	16.83	39
20	43-9061	Office Clerks, General	1,281	1,376	95	7.42	38
21	25-2021	Elementary School Teachers, Except Special Education	900	1,067	167	18.56	37
22	43-4171	Receptionists and Information Clerks	855	980	125	14.62	35
23	37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,004	1,147	143	14.24	34
24	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	972	1,070	98	10.08	34
25	25-9041	Teacher Assistants	697	828	131	18.79	30

Top 25 Fastest Growing South Central Local Workforce Area Occupations
Highest Percent Change

		Occupational	Emplo	yment	Chan	ige	Annual
			2014	2024			Openings
Rank	Code	Title	Estimated	Projected	Number	Percent	
1	15-2031	Operations Research Analysts	53	80	27	50.94	4
2	21-2011	Clergy	12	17	5	41.67	0
3	29-1171	Nurse Practitioners	110	153	43	39.09	7
4	31-2021	Physical Therapist Assistants	72	100	28	38.89	5
5	29-1122	Occupational Therapists	54	75	21	38.89	3
6	29-1123	Physical Therapists	99	137	38	38.38	7
7	49-9043	Maintenance Workers, Machinery	128	176	48	37.50	7
8	15-1121	Computer Systems Analysts	105	144	39	37.14	5
9	29-1161	Nurse Midwives	14	19	5	35.71	0
10	31-1011	Home Health Aides	412	551	139	33.74	23
11	51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters,	21	28	7	33.33	2
12	49-9041	Industrial Machinery Mechanics	853	1,127	274	32.12	49
13	29-2032	Diagnostic Medical Sonographers	88	116	28	31.82	5
14	25-3021	Self-Enrichment Education Teachers	41	54	13	31.71	2
15	19-4099	Life, Physical, and Social Science Technicians, All Other	19	25	6	31.58	2
16	25-1071	Health Specialties Teachers, Postsecondary	51	67	16	31.37	3
17	53-7011	Conveyor Operators and Tenders	36	47	11	30.56	2
18	29-1127	Speech-Language Pathologists	79	103	24	30.38	4
19	29-1031	Dietitians and Nutritionists	32	41	9	28.12	1
20	47-2021	Brickmasons and Blockmasons	61	78	17	27.87	2
21	29-2099	Health Technologists and Technicians, All Other	52	66	14	26.92	1
22	53-7064	Packers and Packagers, Hand	951	1,204	253	26.60	50
23	51-3099	Food Processing Workers, All Other	76	96	20	26.32	4
24	31-9097	Phlebotomists	96	120	24	25.00	4
25	29-1041	Optometrists	44	55	11	25.00	3

Explanation of Data Elements in the Occupational Outlook Table

Occupational Employment Outlook

Occupational	Employment 2014 2024	Job Growth 2014 2024	Average Annual Job Openings, 2014-2024	Average Wage	Education/ Training Required
Code Title	Estimated Projected	Number Percent	Growth Separations Total	2016	
Occupational Codes & Titles used in this report are based on the Standard Occupational Coding (SOC) structure.	Estimated 2014 employment is based on the Occupational Employment Statistics (OES) Survey of employers. Projected 2024 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2014 and 2024. NOTE: The occupational employment estimates for 2014 to 2024 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.	Number The total number of jobs in an occupation gained or lost over the 2014 to 2024 period. Percent Percent Percent change in employment in an occupation over the 10 year period. NOTE: In Kentucky, the average growth for all occupations is projected to be 15.2 percent from 2014-2024. The growth of an occupation is classified as one of the following based on its projected percent change in employment: 1) Declining (< 0%) 2) Stable (0% - 6.99%) 3) Growing (7.0% - 12.99%) 4) Fast Growing (13.0% - 17.99%) 5) Very Fast Growing (> 18.0%)	Growth Provides estimates of the average number of job openings expected to occur each year between 2014 and 2024. Separations Provides estimates of the average number of job openings expected to occur each year in an occupation from workers separating or leaving for reasons such as retirement, promotion, or simply transferring among occupations. These separations would require replacement workers. Total The sum of openings due to growth and openings due to separations for an occupation. NOTE: If employment growth is negative, the total number of job openings will equal the number of separations.	Average Wage in this report always refers to the 2015 mean hourly wage. NOTE: Average hourly wages for each of the teacher occupations in this report were calculated from the average annual wage by assuming 9.5 working months per year at 40 hours per week.	Education and/or Training Levels Required are developed by the Bureau of Labor Statistics (BLS). NOTE: The various categories are described in detail on page 12 of this report.

Occupational Code	soc
Management Occupations	11-0000
Top Executives	11-1000
Advert., Market., Promotions, Pub. Relations, & Sales Mgrs.	11-2000
Operations Specialties Managers	11-3000
Other Management Occupations	11-9000
Business and Financial Operations Occupations	13-0000
Business Operations Specialists	13-1000
Financial Specialists	13-2000
Computer and Mathematical Occupations	15-0000
Computer Occupations	15-1100
Mathematical Science Occupations	15-2000
Architecture and Engineering Occupations	17-0000
Architects, Surveyors, and Cartographers	17-1000
Engineers	17-2000
Drafters, Engineering Technicians, and Mapping Technicians	17-3000
Life, Physical, and Social Science Occupations	19-0000
Life Scientists	19-1000
Physical Scientists	19-2000
Social Scientists and Related Workers	19-3000
Life, Physical, and Social Science Technicians	19-4000
Community and Social Service Occupations	21-0000
Counselors, Social Wkrs, & Other Comm. & Social Service Spec.	21-1000
Religious Workers	21-2000
Legal Occupations	23-0000
Lawyers, Judges, and Related Workers	23-1000
Legal Support Workers	23-2000
Education, Training, and Library Occupations	25-0000
Postsecondary Teachers	25-1000
Preschool, Primary, Secondary, and Special Education School Teachers	25-2000
Other Teachers and Instructors	25-3000

Occupational Code	soc
Librarians, Curators, and Archivists	25-4000
Other Education, Training, and Library Occupations	25-9000
Arts, Design, Entertainment, Sports, and Media Occupations	27-0000
Art and Design Workers	27-1000
Entertainers and Performers, Sports and Related Workers	27-2000
Media and Communication Workers	27-3000
Media and Communication Equipment Workers	27-4000
Healthcare Practitioners and Technical Occupations	29-0000
Health Diagnosing and Treating Practitioners	29-1000
Health Technologists and Technicians	29-2000
Other Healthcare Practitioners and Technical Occupations	29-9000
Healthcare Support Occupations	31-0000
Nursing, Psychiatric, and Home Health Aides	31-1000
Occupational Therapy & Physical Therapist Assistants & Aides	31-2000
Other Healthcare Support Occupations	31-9000
Protective Service Occupations	33-0000
Supervisors of Protective Service Workers	33-1000
Fire Fighting and Prevention Workers	33-2000
Law Enforcement Workers	33-3000
Other Protective Service Workers	33-9000
Food Preparation and Serving Related Occupations	35-0000
Supervisors of Food Preparation and Serving Workers	35-1000
Cooks and Food Preparation Workers	35-2000
Food and Beverage Serving Workers	35-3000
Other Food Preparation and Serving Related Workers	35-9000
Building and Grounds Cleaning and Maintenance Occupations	37-0000
Supervisors of Building & Grounds Cleaning and Maintenance Workers	37-1000
Building Cleaning and Pest Control Workers	37-2000
Grounds Maintenance Workers	37-3000
Personal Care and Service Occupations	39-0000

Occupational Code	soc
Supervisors of Personal Care and Service Workers	39-1000
Animal Care and Service Workers	39-2000
Entertainment Attendants and Related Workers	39-3000
Funeral Service Workers	39-4000
Personal Appearance Workers	39-5000
Baggage Porters, Bellhops, and Concierges	39-6000
Tour and Travel Guides	39-7000
Other Personal Care and Service Workers	39-9000
Sales and Related Occupations	41-0000
Supervisors of Sales Workers	41-1000
Retail Sales Workers	41-2000
Sales Representatives, Services	41-3000
Sales Representatives, Wholesale and Manufacturing	41-4000
Other Sales and Related Workers	41-9000
Office and Administrative Support Occupations	43-0000
Supervisors of Office and Administrative Support Workers	43-1000
Financial Clerks	43-3000
Information and Record Clerks	43-4000
Material Recording, Scheduling, Dispatching, and Distributing Workers	43-5000
Secretaries and Administrative Assistants	43-6000
Other Office and Administrative Support Workers	43-9000
Farming, Fishing, and Forestry Occupations	45-0000
Supervisors of Farming, Fishing, and Forestry Workers	45-1000
Agricultural Workers	45-2000
Forest, Conservation, and Logging Workers	45-4000
Construction and Extraction Occupations	47-0000
Supervisors of Construction and Extraction Workers	47-1000
Construction Trades Workers	47-2000
Helpers, Construction Trades	47-3000
Other Construction and Related Workers	47-4000

Occupational Code	soc
Extraction Workers	47-5000
Installation, Maintenance, and Repair Occupations	49-0000
Electrical & Electronic Equipment Mechanics, Installers, and Repairers	49-2000
Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	49-3000
Other Installation, Maintenance, and Repair Occupations	49-9000
Production Occupations	51-0000
Supervisors of Production Workers	51-1000
Assemblers and Fabricators	51-2000
Food Processing Workers	51-3000
Metal Workers and Plastic Workers	51-4000
Printing Workers	51-5100
Textile, Apparel, and Furnishings Workers	51-6000
Woodworkers	51-7000
Plant and System Operators	51-8000
Other Production Occupations	51-9000
Transportation and Material Moving Occupations	53-0000
Supervisors of Transportation and Material Moving Workers	53-1000
Air Transportation Workers	53-2000
Motor Vehicle Operators	53-3000
Rail Transportation Workers	53-4000
Water Transportation Workers	53-5000
Other Transportation Workers	53-6000
Material Moving Workers	53-7000

Educational/Training Classifications

The Bureau of Labor Statistics (BLS) provides individual assignments to each occupation for three dimensions: education; work experience in a related field; and on-the-job training. The objective of this system is to present a complete picture of the education and training needed for entry into a given occupation and to become competent at performing the occupation.

Entry Level Education: Represents the typical education level needed to enter an occupation. There are eight possible assignments for this category.

- 1) Doctoral or Professional Degree: Completion of a doctoral degree (Ph.D.) usually requires at least 3 years of full-time academic work beyond a bachelor's degree. Completion of a professional degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree. Examples of occupations for which a professional degree is the typical form of entry-level education include lawyers, physicians and surgeons, and dentists.
- 2) Master's Degree: Completion of this degree usually requires 1 or 2 years of full-time academic study beyond a bachelor's degree. Examples of occupations in this category include statisticians, physician assistants, and educational, vocational, and school counselors.
- 3) Bachelor's Degree: Completion of this degree generally requires at least 4 years, but not more than 5 years, of full-time academic study beyond high school. Examples of occupations in this category include budget analysts, dietitians, and civil engineers.
- **4) Associate's Degree**: Completion of this degree usually requires at least 2 years but not more than 4 years of full-time academic study beyond high school. Examples of occupations in this category include mechanical drafters, respiratory therapists, and dental hygienists.
- 5) Postsecondary Non-Degree Award: These programs lead to a certificate or other award, but not a degree. The certificate is awarded by the educational institution and is the result of completing formal postsecondary schooling. Certification, which is issued by a professional organization or certifying body, is not included here. Some postsecondary non-degree award programs last only a few weeks, while others may last 1 to 2 years. Examples of occupations in this category include nursing aides, emergency medical technicians (EMTs) and paramedics, and hairstylists.
- 6) Some College, No Degree: This category signifies the achievement of a high school diploma or equivalent plus the completion of one or more postsecondary courses that did not result in a degree or award. Examples of occupations in this category are actors and computer support specialists.
- 7) High School Diploma or Equivalent: This category signifies the completion of high school or an equivalent program resulting in the award of a high school diploma or an equivalent, such as the General Educational Development (GED) credential. Examples of occupations in this category include social and human service assistants and pharmacy technicians.
- 8) Less than High School: This category signifies the completion of any level of primary or secondary education that did not result in the award of a high school diploma or equivalent. Examples of occupations in this category include janitors and cleaners, cashiers, and carpet installers.

Work Experience in a Related Occupation: For some occupations, work experience in a related occupation may be a typical method of entry. The majority of occupations in this category are first-line supervisors or managers of service, sales, and production occupations. Although work experience in a related occupation is beneficial for all occupations, this metric is meant to capture work experience that is commonly considered necessary by employers, or is a commonly accepted substitute for other, more formal types of training or education. Occupations are assigned one of the following four categories that deal with length of time spent gaining related work experience:

- More than 5 years: This is assigned to occupations if more than 5 years of work experience in a related occupation is typically needed for entry. Examples include construction managers and computer and information systems managers.
- 1 to 5 years: To enter occupations in this category, workers typically need 1-5 years of work experience in a related occupation. Examples include marketing managers and database administrators.

- 3) Less than 1 year: Examples of occupations that typically need less than 1 year of work experience in a related occupation include restaurant cooks and industrial truck and tractor operators.
- 4) None: No work experience in a related occupation is typically needed. Examples are audiologists and actuaries.

Typical On-The-Job Training Needed to Attain Competency in the Occupation: This category encompasses any additional training or preparation that is typically needed, once employed in an occupation, to attain competency in the skills needed in that occupation. Training is occupation-specific rather than job-specific; skills learned can be transferred to another job in the same occupation. Occupations are assigned one of the following six training categories:

- Internship/Residency: An internship or residency is training that involves preparation in a field such as medicine or teaching, generally under supervision in a professional setting, such as a hospital or classroom. This type of training may occur before one is employed. Completion of an internship or residency program is commonly required for state licensure or certification in fields including medicine, counseling, architecture, and teaching. This category does not include internships that are suggested for advancement. Examples of occupations in the internship/residency category include physicians and surgeons and marriage and family therapists.
- 2) Apprenticeship: An apprenticeship is a formal relationship between a worker and sponsor that consists of a combination of on-the-job training and related occupation-specific technical instruction in which the worker learns the practical and theoretical aspects of an occupation. Apprenticeship programs are sponsored by individual employers, joint employer-and- labor groups, and employer associations. The typical apprenticeship program provides at least 144 hours of occupation- specific technical instruction and 2,000 hours of on-the-job training per year over a 3-to-5 year period. Examples of occupations in the apprenticeship category include electricians and structural iron and steel workers.
- Long-Term On-The-Job Training: More than 12 months of on-the-job training or, alternatively, combined work experience and formal classroom instruction, are needed for workers to develop the skills to attain competency. Training is occupation specific rather than job specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer-sponsored training programs. Such programs include those offered by fire and police academies and schools for air traffic controllers and flight attendants. In other occupations—nuclear power reactor operators, for example—trainees take formal courses, often provided at the jobsite, to prepare for the required licensing exams. This category excludes apprenticeships. Examples of occupations in the long-term on-the-job training category include opticians and automotive service technicians and mechanics.
- 4) Moderate-Term On-The-Job Training: Skills needed for a worker to attain competency in an occupation that can be acquired during 1 to 12 months of combined on-the-job experience and informal training. Training is occupation-specific rather than job-specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer-sponsored training programs. Examples of occupations in the moderate- term category include school bus drivers and advertising sales agents.
- Short-Term On-The-Job Training: Skills needed for a worker to attain competency in an occupation that can be acquired during 1 month or less of on-the-job experience and informal training. Training is occupation-specific rather than job specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer sponsored training programs. Examples of occupations in the short-term category include retail salespersons and maids and housekeeping cleaners.
- 6) None: There is no additional occupation-specific training or preparation typically required to attain competency in the occupation. Examples of occupations that do not require occupation-specific on-the-job training include geographers and pharmacists.

Occupational		Employ	ment	Cha	nge	ge Job Openings				Avg.
	Occupational	2014	2024	2014	2024	Avg. Ann	ual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
00-0000	Total, All Occupations	110,640	123,858	13,218	11.95	1,385	2,683	4,068	N/A	\$18.06
11-0000	Management Occupations	5,093	5,684	591	11.6	59	119	178	N/A	\$40.87
11-1000	Top Executives	1,634	1,801	167	10.22	17	40	57	N/A	N/A
11-1011	Chief Executives	*	*	*	*	*	*	*	3	\$82.02
11-1021	General and Operations Managers	1,477	1,634	157	10.63	16	37	53	3	\$40.45
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	225	250	25	11.11	2	6	8	N/A	N/A
11-2011	Advertising and Promotions Managers	*	*	*	*	*	*	*	3	\$29.49
11-2021	Marketing Managers	54	67	13	24.07	1	1	2	3	\$49.18
11-2022	Sales Managers	121	128	7	5.79	1	3	4	3	\$54.13
11-2031	Public Relations and Fundraising Managers	*	*	*	*	*	*	*	3	\$40.16
11-3000	Operations Specialties Managers	1,009	1,139	130	12.88	13	25	38	N/A	N/A
11-3011	Administrative Services Managers	68	77	9	13.24	1	1	2	3	\$35.27
11-3021	Computer and Information Systems Managers	61	75	14	22.95	1	1	2	3	\$48.16
11-3031	Financial Managers	284	314	30	10.56	3	7	10	3	\$47.72
11-3051	Industrial Production Managers	290	326	36	12.41	4	8	12	3	\$43.03
11-3061	Purchasing Managers	91	103	12	13.19	1	2	3	3	\$44.30
11-3071	Transportation, Storage, and Distribution Managers	95	109	14	14.74	1	2	3	7	\$38.32
11-3111	Compensation and Benefits Managers	*	*	*	*	*	*	*	3	\$48.87
11-3121	Human Resources Managers	88	100	12	13.64	1	3	4	3	\$36.07

Occupational		Employ	ment	Cha	nge	Job	Openings		Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	ual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
11-3131	Training and Development Managers	*	*	*	*	*	*	*	3	\$55.72
11-9000	Other Management Occupations	2,225	2,494	269	12.09	27	48	75	N/A	N/A
11-9013	Farmers, Ranchers, and Other Agricultural Managers	350	398	48	13.71	5	6	11	7	N/A
11-9021	Construction Managers	202	216	14	6.93	1	3	4	. 3	\$39.08
11-9031	Education Administrators, Preschool and Childcare Center/Program	*	*	*	*	*	*	*	3	\$21.27
11-9032	Education Administrators, Elementary and Secondary School	173	204	31	17.92	3	5	8	2	N/A
11-9033	Education Administrators, Postsecondary	54	65	11	20.37	1	2	3	2	\$48.14
11-9039	Education Administrators, All Other	21	25	4	19.05	0	1	1	3	\$31.55
11-9041	Architectural and Engineering Managers	114	124	10	8.77	1	4	5	3	\$52.93
11-9051	Food Service Managers	393	406	13	3.31	1	8	9	7	\$22.15
11-9081	Lodging Managers	*	*	*	*	*	*	*	7	\$25.73
11-9111	Medical and Health Services Managers	176	214	38	21.59	4	4	8	3	\$38.95
11-9121	Natural Sciences Managers	*	*	*	*	*	*	*	3	\$50.21
11-9131	Postmasters and Mail Superintendents	20	17	-3	-15	0	0	0	7	\$35.65
11-9141	Property, Real Estate, and Community Association Managers	110	125	15	13.64	2	2	4	. 7	\$21.00
11-9151	Social and Community Service Managers	161	187	26	16.15	3	4	7	3	\$27.04
11-9161	Emergency Management Directors	*	*	*	*	*	*	*	3	N/A
11-9199	Managers, All Other	400	455	55	13.75	6	9	15	3	\$40.14
13-0000	Business and Financial Operations Occupations	2,890	3,275	385	13.32	39	63	102	N/A	\$27.20

Occupational		Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Ann	ual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
13-1000	Business Operations Specialists	1,754	1,979	225	12.83	23	36	59	N/A	N/A
13-1021	Buyers and Purchasing Agents, Farm Products	25	31	6	24	1	0	1	3	\$23.14
13-1022	Wholesale and Retail Buyers, Except Farm Products	*	*	*	*	*	*	*	3	\$26.21
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	243	270	27	11.11	3	7	10	3	\$25.26
13-1031	Claims Adjusters, Examiners, and Investigators	105	110	5	4.76	0	3	3	7	\$27.49
13-1041	Compliance Officers	117	134	17	14.53	2	2	4	3	\$23.71
13-1051	Cost Estimators	53	59	6	11.32	1	2	3	3	\$23.70
13-1071	Human Resources Specialists	348	378	30	8.62	3	8	11	3	\$25.08
13-1074	Farm Labor Contractors	*	*	*	*	*	*	*	N/A	N/A
13-1075	Labor Relations Specialists	45	43	-2	-4.44	0	1	1	3	\$15.32
13-1081	Logisticians	89	98	9	10.11	1	1	2	3	\$32.34
13-1111	Management Analysts	*	*	*	*	*	*	*	3	\$33.72
13-1121	Meeting, Convention, and Event Planners	60	72	12	20	1	1	2	3	\$17.62
13-1131	Fundraisers	*	*	*	*	*	*	*	3	\$23.12
13-1141	Compensation, Benefits, and Job Analysis Specialists	24	29	5	20.83	0	1	1	3	\$27.37
13-1151	Training and Development Specialists	112	126	14	12.5	1	3	4	3	\$25.97
13-1161	Market Research Analysts and Marketing Specialists	167	199	32	19.16	3	2	5	3	\$25.78
13-1199	Business Operations Specialists, All Other	174	200	26	14.94	3	2	5	3	\$29.45
13-2000	Financial Specialists	1,136	1,296	160	14.08	16	27	43	N/A	N/A

	Occurational	Employ	ment	Cha	nge	Job	Openings		Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
13-2011	Accountants and Auditors	484	564	80	16.53	8	13	21	3	\$28.09
13-2021	Appraisers and Assessors of Real Estate	*	*	*	*	*	*	*	3	\$28.08
13-2031	Budget Analysts	*	*	*	*	*	*	*	3	\$27.03
13-2041	Credit Analysts	30	33	3	10	0	1	1	3	\$37.32
13-2051	Financial Analysts	42	45	3	7.14	0	1	1	3	\$33.08
13-2052	Personal Financial Advisors	78	96	18	23.08	2	2	4	3	\$50.48
13-2053	Insurance Underwriters	*	*	*	*	*	*	*	3	N/A
13-2061	Financial Examiners	20	24	4	20	0	0	0	3	\$22.86
13-2071	Credit Counselors	*	*	*	*	*	*	*	3	\$23.02
13-2072	Loan Officers	233	266	33	14.16	3	4	7	3	\$33.33
13-2081	Tax Examiners and Collectors, and Revenue Agents	*	*	*	*	*	*	*	3	\$24.62
13-2082	Tax Preparers	*	*	*	*	*	*	*	7	\$13.69
13-2099	Financial Specialists, All Other	32	36	4	12.5	0	0	0	3	\$19.91
15-0000	Computer and Mathematical Occupations	797	955	158	19.82	16	11	27	N/A	\$30.60
15-1100	Computer Occupations	744	875	131	17.61	13	10	23	N/A	N/A
15-1121	Computer Systems Analysts	105	144	39	37.14	4	1	5	3	N/A
15-1122	Information Security Analysts	*	*	*	*	*	*	*	3	\$36.51
15-1131	Computer Programmers	33	34	1	3.03	0	1	1	3	\$33.56
15-1132	Software Developers, Applications	65	80	15	23.08	2	1	3	3	\$30.97

	Occupational	Employ	ment	Cha	nge	Job	Openings		Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	ual 2014-2	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
15-1133	Software Developers, Systems Software	23	27	4	17.39	0	0	0	3	\$35.60
15-1134	Web Developers	*	*	*	*	*	*	*	4	\$23.75
15-1141	Database Administrators	14	16	2	14.29	0	0	0	3	\$35.25
15-1142	Network and Computer Systems Administrators	154	168	14	9.09	1	2	3	3	\$29.18
15-1143	Computer Network Architects	31	36	5	16.13	0	0	0	3	\$42.94
15-1151	Computer User Support Specialists	174	195	21	12.07	2	2	4	6	\$17.75
15-1152	Computer Network Support Specialists	59	71	12	20.34	1	1	2	4	\$25.98
15-1199	Computer Occupations, All Other	*	*	*	*	*	*	*	3	\$28.91
15-2000	Mathematical Science Occupations	53	80	27	50.94	3	1	4	N/A	N/A
15-2031	Operations Research Analysts	53	80	27	50.94	3	1	4	3	\$33.88
17-0000	Architecture and Engineering Occupations	1,417	1,577	160	11.29	16	38	54	N/A	\$33.01
17-1000	Architects, Surveyors, and Cartographers	27	28	1	3.7	0	1	1	N/A	N/A
17-1011	Architects, Except Landscape and Naval	*	*	*	*	*	*	*	3	N/A
17-1012	Landscape Architects	*	*	*	*	*	*	*	3	N/A
17-1021	Cartographers and Photogrammetrists	*	*	*	*	*	*	*	3	N/A
17-1022	Surveyors	*	*	*	*	*	*	*	3	\$19.58
17-2000	Engineers	1,009	1,136	127	12.59	13	29	42	N/A	N/A
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	3	N/A
17-2041	Chemical Engineers	*	*	*	*	*	*	*	3	N/A

	Occurational	Employ	ment	Cha	nge	Job	Openings		Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
17-2051	Civil Engineers	87	95	8	9.2	1	3	4	. 3	\$29.42
17-2071	Electrical Engineers	76	84	8	10.53	1	2	3	3	\$35.20
17-2072	Electronics Engineers, Except Computer	37	46	9	24.32	1	1	2	3	\$37.60
17-2081	Environmental Engineers	*	*	*	*	*	*	*	3	\$33.74
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	19	21	2	10.53	0	1	1	3	\$26.74
17-2112	Industrial Engineers	506	559	53	10.47	5	15	20	3	\$38.45
17-2131	Materials Engineers	*	*	*	*	*	*	*	3	N/A
17-2141	Mechanical Engineers	202	241	39	19.31	4	6	10	3	\$38.38
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	3	N/A
17-2199	Engineers, All Other	48	54	6	12.5	1	1	2	3	\$38.56
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	381	413	32	8.4	3	8	11	N/A	N/A
17-3011	Architectural and Civil Drafters	*	*	*	*	*	*	*	4	N/A
17-3012	Electrical and Electronics Drafters	*	*	*	*	*	*	*	4	\$20.77
17-3013	Mechanical Drafters	27	27	0	0	0	0	0	4	\$25.17
17-3019	Drafters, All Other	*	*	*	*	*	*	*	4	N/A
17-3022	Civil Engineering Technicians	66	74	8	12.12	1	2	3	4	\$21.64
17-3023	Electrical and Electronics Engineering Technicians	16	17	1	6.25	0	0	0	4	\$27.30
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	4	\$16.05
17-3026	Industrial Engineering Technicians	130	142	12	9.23	1	3	4	. 4	\$27.44

	Occumational	Employ	ment	Cha	nge	Job	Openings		Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
17-3027	Mechanical Engineering Technicians	36	39	3	8.33	0	1	1	4	\$26.45
17-3029	Engineering Technicians, Except Drafters, All Other	*	*	*	*	*	*	*	4	N/A
17-3031	Surveying and Mapping Technicians	50	49	-1	-2	0	1	1	7	\$17.44
19-0000	Life, Physical, and Social Science Occupations	354	421	67	18.93	7	10	17	N/A	\$27.54
19-1000	Life Scientists	54	63	9	16.67	1	2	3	N/A	N/A
19-1012	Food Scientists and Technologists	*	*	*	*	*	*	*	3	N/A
19-1013	Soil and Plant Scientists	*	*	*	*	*	*	*	3	N/A
19-1022	Microbiologists	*	*	*	*	*	*	*	3	N/A
19-1023	Zoologists and Wildlife Biologists	*	*	*	*	*	*	*	3	N/A
19-1029	Biological Scientists, All Other	18	19	1	5.56	0	0	0	3	\$30.80
19-1031	Conservation Scientists	16	18	2	12.5	0	1	1	3	\$37.17
19-1032	Foresters	*	*	*	*	*	*	*	3	N/A
19-1041	Epidemiologists	*	*	*	*	*	*	*	2	N/A
19-2000	Physical Scientists	113	134	21	18.58	2	3	5	N/A	N/A
19-2011	Astronomers	*	*	*	*	*	*	*	1	N/A
19-2012	Physicists	*	*	*	*	*	*	*	1	N/A
19-2021	Atmospheric and Space Scientists	*	*	*	*	*	*	*	3	N/A
19-2031	Chemists	*	*	*	*	*	*	*	3	\$37.82
19-2032	Materials Scientists	*	*	*	*	*	*	*	3	N/A

	0	Employ	ment	Cha	nge	Job	Openings		Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-202	4	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps To	tal	Code	2016
19-2041	Environmental Scientists and Specialists, Including Health	21	26	5	23.81	0	1	1	3	\$22.05
19-2042	Geoscientists, Except Hydrologists and Geographers	*	*	*	*	*	*	*	3	N/A
19-2043	Hydrologists	*	*	*	*	*	*	*	3	N/A
19-2099	Physical Scientists, All Other	*	*	*	*	*	*	*	3	N/A
19-3000	Social Scientists and Related Workers	86	103	17	19.77	2	2	4	N/A	N/A
19-3031	Clinical, Counseling, and School Psychologists	64	79	15	23.44	2	1	3	1	\$35.78
19-3051	Urban and Regional Planners	14	16	2	14.29	0	0	0	2	\$19.74
19-3092	Geographers	*	*	*	*	*	*	*	3	N/A
19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	*	*	*	3	N/A
19-4000	Life, Physical, and Social Science Technicians	101	121	20	19.8	2	4	6	N/A	N/A
19-4011	Agricultural and Food Science Technicians	34	40	6	17.65	1	1	2	4	\$19.15
19-4021	Biological Technicians	*	*	*	*	*	*	*	3	N/A
19-4031	Chemical Technicians	*	*	*	*	*	*	*	4	\$27.84
19-4041	Geological and Petroleum Technicians	*	*	*	*	*	*	*	4	N/A
19-4091	Environmental Science and Protection Technicians, Including Health	*	*	*	*	*	*	*	4	N/A
19-4093	Forest and Conservation Technicians	*	*	*	*	*	*	*	4	N/A
19-4099	Life, Physical, and Social Science Technicians, All Other	19	25	6	31.58	1	1	2	4	N/A
21-0000	Community and Social Service Occupations	1,578	1,825	247	15.65	25	35	60	N/A	\$18.27
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	1,566	1,808	242	15.45	24	34	58	N/A	N/A

	2	Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
21-1011	Substance Abuse and Behavioral Disorder Counselors	*	*	*	*	*	*	*	3	N/A
21-1012	Educational, Guidance, School, and Vocational Counselors	208	242	34	16.35	3	4	7	2	\$24.55
21-1013	Marriage and Family Therapists	70	83	13	18.57	1	2	3	2	\$16.66
21-1014	Mental Health Counselors	128	157	29	22.66	3	3	6	2	\$17.38
21-1015	Rehabilitation Counselors	65	73	8	12.31	1	1	2	2	\$17.64
21-1021	Child, Family, and School Social Workers	458	504	46	10.04	5	11	16	3	\$19.28
21-1022	Healthcare Social Workers	69	85	16	23.19	2	2	4	2	\$20.72
21-1023	Mental Health and Substance Abuse Social Workers	46	56	10	21.74	1	1	2	3	\$18.30
21-1029	Social Workers, All Other	15	17	2	13.33	0	0	0	3	N/A
21-1091	Health Educators	*	*	*	*	*	*	*	3	\$19.64
21-1092	Probation Officers and Correctional Treatment Specialists	44	49	5	11.36	0	1	1	3	N/A
21-1093	Social and Human Service Assistants	278	318	40	14.39	4	6	10	7	\$12.28
21-1094	Community Health Workers	*	*	*	*	*	*	*	7	\$16.42
21-1099	Community and Social Service Specialists, All Other	*	*	*	*	*	*	*	2	\$12.09
21-2000	Religious Workers	12	17	5	41.67	0	0	0	N/A	N/A
21-2011	Clergy	12	17	5	41.67	0	0	0	3	\$24.47
23-0000	Legal Occupations	535	608	73	13.64	7	10	17	N/A	\$29.75
23-1000	Lawyers, Judges, and Related Workers	294	332	38	12.93	4	4	8	N/A	N/A
23-1011	Lawyers	271	308	37	13.65	4	4	8	1	\$38.99

	Occumational	Employ	ment	Cha	nge	Job	Openings	S	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
23-1012	Judicial Law Clerks	*	*	*	*	*	*	*	1	N/A
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	*	*	*	*	*	*	*	1	N/A
23-1023	Judges, Magistrate Judges, and Magistrates	18	19	1	5.56	0	0	0	1	N/A
23-2000	Legal Support Workers	241	276	35	14.52	4	5	9	N/A	N/A
23-2011	Paralegals and Legal Assistants	215	248	33	15.35	3	5	8	4	\$18.64
23-2093	Title Examiners, Abstractors, and Searchers	*	*	*	*	*	*	*	7	N/A
23-2099	Legal Support Workers, All Other	*	*	*	*	*	*	*	7	N/A
25-0000	Education, Training, and Library Occupations	4,635	5,544	909	19.61	91	99	190	N/A	\$23.01
25-1000	Postsecondary Teachers	1,203	1,485	282	23.44	28	21	49	N/A	N/A
25-1011	Business Teachers, Postsecondary	29	35	6	20.69	1	0	1	1	N/A
25-1021	Computer Science Teachers, Postsecondary	21	25	4	19.05	0	0	0	1	N/A
25-1022	Mathematical Science Teachers, Postsecondary	*	*	*	*	*	*	*	1	N/A
25-1031	Architecture Teachers, Postsecondary	*	*	*	*	*	*	*	1	N/A
25-1032	Engineering Teachers, Postsecondary	*	*	*	*	*	*	*	1	N/A
25-1041	Agricultural Sciences Teachers, Postsecondary	*	*	*	*	*	*	*	1	N/A
25-1042	Biological Science Teachers, Postsecondary	*	*	*	*	*	*	*	1	N/A
25-1052	Chemistry Teachers, Postsecondary	*	*	*	*	*	*	*	1	N/A
25-1053	Environmental Science Teachers, Postsecondary	*	*	*	*	*	*	*	1	N/A
25-1054	Physics Teachers, Postsecondary	*	*	*	*	*	*	*	1	N/A

	Occumentational	Employ	/ment	Cha	nge	Job	Openings	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Ann	nual 2014-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps Total	Code	2016
25-1061	Anthropology and Archeology Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1063	Economics Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1064	Geography Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1065	Political Science Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1066	Psychology Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1067	Sociology Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1071	Health Specialties Teachers, Postsecondary	51	67	16	31.37	2	1	3 1	N/A
25-1072	Nursing Instructors and Teachers, Postsecondary	*	*	*	*	*	*	* 2	N/A
25-1081	Education Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1082	Library Science Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1113	Social Work Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1121	Art, Drama, and Music Teachers, Postsecondary	*	*	*	*	*	*	* 2	N/A
25-1122	Communications Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1123	English Language and Literature Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1124	Foreign Language and Literature Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1125	History Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1126	Philosophy and Religion Teachers, Postsecondary	*	*	*	*	*	*	* 1	N/A
25-1191	Graduate Teaching Assistants	*	*	*	*	*	*	* 3	N/A

	0	Employ	ment	Cha	nge	Job	Openings		Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	ual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
25-1192	Home Economics Teachers, Postsecondary	*	*	*	*	*	*	*	2	N/A
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	*	*	*	*	*	*	*	1	N/A
25-1194	Vocational Education Teachers, Postsecondary	75	89	14	18.67	1	1	2	3	\$22.46
25-1199	Postsecondary Teachers, All Other	*	*	*	*	*	*	*	1	N/A
25-2000	Preschool, Primary, Secondary, and Special Education School Teachers	2,267	2,683	416	18.35	42	52	94	N/A	N/A
25-2011	Preschool Teachers, Except Special Education	131	152	21	16.03	2	4	6	4	\$18.59
25-2012	Kindergarten Teachers, Except Special Education	110	130	20	18.18	2	3	5	3	N/A
25-2021	Elementary School Teachers, Except Special Education	900	1,067	167	18.56	17	20	37	3	N/A
25-2022	Middle School Teachers, Except Special and Career/Technical Education	256	303	47	18.36	5	6	11	3	N/A
25-2023	Career/Technical Education Teachers, Middle School	*	*	*	*	*	*	*	3	N/A
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	549	651	102	18.58	10	13	23	3	N/A
25-2032	Career/Technical Education Teachers, Secondary School	*	*	*	*	*	*	*	3	N/A
25-2051	Special Education Teachers, Preschool	*	*	*	*	*	*	*	3	N/A
25-2052	Special Education Teachers, Kindergarten and Elementary School	156	185	29	18.59	3	3	6	3	N/A
25-2053	Special Education Teachers, Middle School	49	58	9	18.37	1	1	2	3	N/A
25-2054	Special Education Teachers, Secondary School	101	119	18	17.82	2	2	4	3	N/A
25-2059	Special Education Teachers, All Other	*	*	*	*	*	*	*	3	N/A
25-3000	Other Teachers and Instructors	159	192	33	20.75	3	3	6	N/A	N/A
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	*	*	*	*	*	*	*	3	\$20.43

	2	Employ	ment	Cha	nge	Job	Openings	5	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
25-3021	Self-Enrichment Education Teachers	41	54	13	31.71	1	1	2	7	\$14.53
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	82	95	13	15.85	1	2	3	3	N/A
25-3098	Substitute Teachers	*	*	*	*	*	*	*	3	N/A
25-4000	Librarians, Curators, and Archivists	175	196	21	12	2	5	7	N/A	N/A
25-4011	Archivists	*	*	*	*	*	*	*	2	N/A
25-4012	Curators	*	*	*	*	*	*	*	2	N/A
25-4013	Museum Technicians and Conservators	*	*	*	*	*	*	*	3	N/A
25-4021	Librarians	109	122	13	11.93	1	2	3	2	\$26.16
25-4031	Library Technicians	*	*	*	*	*	*	*	5	\$12.63
25-9000	Other Education, Training, and Library Occupations	831	988	157	18.89	16	18	34	N/A	N/A
25-9021	Farm and Home Management Advisors	*	*	*	*	*	*	*	2	N/A
25-9031	Instructional Coordinators	*	*	*	*	*	*	*	2	\$27.28
25-9041	Teacher Assistants	697	828	131	18.79	13	17	30	6	N/A
25-9099	Education, Training, and Library Workers, All Other	70	84	14	20	1	1	2	3	\$20.44
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	1,305	1,512	207	15.86	25	34	59	N/A	\$17.13
27-1000	Art and Design Workers	349	359	10	2.87	2	8	10	N/A	N/A
27-1011	Art Directors	*	*	*	*	*	*	*	3	N/A
27-1012	Craft Artists	*	*	*	*	*	*	*	N/A	N/A
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	*	*	*	3	N/A

	O	Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
27-1021	Commercial and Industrial Designers	*	*	*	*	*	*	*	3	\$30.24
27-1023	Floral Designers	104	90	-14	-13.46	0	2	2	7	\$9.93
27-1024	Graphic Designers	124	140	16	12.9	2	3	5	3	\$16.51
27-1025	Interior Designers	*	*	*	*	*	*	*	3	N/A
27-1026	Merchandise Displayers and Window Trimmers	77	84	7	9.09	1	2	3	7	\$12.98
27-2000	Entertainers and Performers, Sports and Related Workers	303	324	21	6.93	2	10	12	N/A	N/A
27-2012	Producers and Directors	165	164	-1	-0.61	0	5	5	3	\$18.91
27-2021	Athletes and Sports Competitors	*	*	*	*	*	*	*	N/A	N/A
27-2022	Coaches and Scouts	113	132	19	16.81	2	4	6	3	N/A
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	*	*	*	7	N/A
27-2031	Dancers	*	*	*	*	*	*	*	N/A	N/A
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	*	*	*	N/A	N/A
27-3000	Media and Communication Workers	435	597	162	37.24	18	11	29	N/A	N/A
27-3011	Radio and Television Announcers	144	130	-14	-9.72	0	4	4	3	\$9.85
27-3022	Reporters and Correspondents	*	*	*	*	*	*	*	3	\$13.27
27-3031	Public Relations Specialists	85	95	10	11.76	1	1	2	3	\$23.12
27-3041	Editors	83	75	-8	-9.64	0	3	3	3	\$14.75
27-3042	Technical Writers	*	*	*	*	*	*	*	3	N/A
27-3043	Writers and Authors	*	*	*	*	*	*	*	3	\$25.99

	Occupational	Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
27-3091	Interpreters and Translators	25	30	5	20	0	0	0	3	\$25.95
27-3099	Media and Communication Workers, All Other	*	*	*	*	*	*	*	7	N/A
27-4000	Media and Communication Equipment Workers	218	232	14	6.42	2	5	7	N/A	N/A
27-4011	Audio and Video Equipment Technicians	*	*	*	*	*	*	*	5	N/A
27-4012	Broadcast Technicians	37	37	0	0	0	1	1	4	\$13.62
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	5	N/A
27-4021	Photographers	*	*	*	*	*	*	*	7	\$16.72
27-4031	Camera Operators, Television, Video, and Motion Picture	*	*	*	*	*	*	*	3	N/A
27-4032	Film and Video Editors	*	*	*	*	*	*	*	3	N/A
27-4099	Media and Communication Equipment Workers, All Other	*	*	*	*	*	*	*	7	N/A
29-0000	Healthcare Practitioners and Technical Occupations	6,925	8,402	1477	21.33	148	145	293	N/A	\$29.58
29-1000	Health Diagnosing and Treating Practitioners	3,582	4,418	836	23.34	84	84	168	N/A	N/A
29-1011	Chiropractors	*	*	*	*	*	*	*	1	N/A
29-1021	Dentists, General	*	*	*	*	*	*	*	1	\$68.94
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	*	*	*	1	N/A
29-1031	Dietitians and Nutritionists	32	41	9	28.12	1	0	1	3	\$23.33
29-1041	Optometrists	44	55	11	25	1	2	3	1	\$35.52
29-1051	Pharmacists	317	348	31	9.78	3	7	10	1	\$59.35
29-1061	Anesthesiologists	*	*	*	*	*	*	*	1	N/A

	Occupational		yment	Change		Job	Openings		Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
29-1062	Family and General Practitioners	63	69	6	9.52	1	2	3	1	\$107.50
29-1063	Internists, General	29	31	2	6.9	0	1	1	1	\$119.15
29-1064	Obstetricians and Gynecologists	14	17	3	21.43	0	0	0	1	\$125.23
29-1065	Pediatricians, General	*	*	*	*	*	*	*	1	N/A
29-1066	Psychiatrists	*	*	*	*	*	*	*	1	N/A
29-1067	Surgeons	40	48	8	20	1	1	2	1	\$135.06
29-1069	Physicians and Surgeons, All Other	75	90	15	20	2	2	4	1	\$127.67
29-1071	Physician Assistants	*	*	*	*	*	*	*	2	\$50.65
29-1122	Occupational Therapists	54	75	21	38.89	2	1	3	2	\$40.40
29-1123	Physical Therapists	99	137	38	38.38	4	3	7	1	\$43.29
29-1125	Recreational Therapists	*	*	*	*	*	*	*	3	N/A
29-1126	Respiratory Therapists	168	204	36	21.43	4	4	8	4	\$22.59
29-1127	Speech-Language Pathologists	79	103	24	30.38	2	2	4	2	\$33.54
29-1128	Exercise Physiologists	*	*	*	*	*	*	*	3	N/A
29-1129	Therapists, All Other	*	*	*	*	*	*	*	3	N/A
29-1131	Veterinarians	73	85	12	16.44	1	1	2	1	N/A
29-1141	Registered Nurses	2,179	2,713	534	24.51	53	51	104	. 3	\$28.75
29-1151	Nurse Anesthetists	*	*	*	*	*	*	*	2	N/A
29-1161	Nurse Midwives	14	19	5	35.71	0	0	0	2	\$49.59

	Occupational	Employ	ment	Cha	nge	Job	Openings	1	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
29-1171	Nurse Practitioners	110	153	43	39.09	4	3	7	2	\$45.77
29-1181	Audiologists	*	*	*	*	*	*	*	1	N/A
29-1199	Health Diagnosing and Treating Practitioners, All Other	*	*	*	*	*	*	*	2	N/A
29-2000	Health Technologists and Technicians	3,202	3,806	604	18.86	60	58	118	N/A	N/A
29-2011	Medical and Clinical Laboratory Technologists	144	174	30	20.83	3	3	6	3	\$27.74
29-2012	Medical and Clinical Laboratory Technicians	172	200	28	16.28	3	4	7	4	\$18.06
29-2021	Dental Hygienists	140	159	19	13.57	2	2	4	4	\$25.15
29-2031	Cardiovascular Technologists and Technicians	*	*	*	*	*	*	*	4	\$23.72
29-2032	Diagnostic Medical Sonographers	88	116	28	31.82	3	2	5	4	\$28.99
29-2033	Nuclear Medicine Technologists	23	26	3	13.04	0	0	0	4	\$31.53
29-2034	Radiologic Technologists	230	267	37	16.09	4	4	8	4	\$24.47
29-2035	Magnetic Resonance Imaging Technologists	25	28	3	12	0	0	0	4	\$27.08
29-2041	Emergency Medical Technicians and Paramedics	468	542	74	15.81	7	8	15	5	\$13.98
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	4	\$12.43
29-2052	Pharmacy Technicians	634	754	120	18.93	12	6	18	7	\$12.72
29-2053	Psychiatric Technicians	54	61	7	12.96	1	0	1	5	\$14.24
29-2054	Respiratory Therapy Technicians	*	*	*	*	*	*	*	4	N/A
29-2055	Surgical Technologists	141	175	34	24.11	3	1	4	5	\$17.75
29-2056	Veterinary Technologists and Technicians	*	*	*	*	*	*	*	4	\$13.43

	Occumational	Employ	ment	Change		Job Openings			Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	ual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
29-2057	Ophthalmic Medical Technicians	*	*	*	*	*	*	*	5	N/A
29-2061	Licensed Practical and Licensed Vocational Nurses	589	681	92	15.62	9	17	26	5	\$18.15
29-2071	Medical Records and Health Information Technicians	173	208	35	20.23	4	4	8	5	\$17.26
29-2081	Opticians, Dispensing	*	*	*	*	*	*	*	7	\$17.55
29-2091	Orthotists and Prosthetists	*	*	*	*	*	*	*	2	N/A
29-2092	Hearing Aid Specialists	*	*	*	*	*	*	*	7	N/A
29-2099	Health Technologists and Technicians, All Other	52	66	14	26.92	1	0	1	7	\$20.88
29-9000	Other Healthcare Practitioners and Technical Occupations	141	178	37	26.24	4	3	7	N/A	N/A
29-9011	Occupational Health and Safety Specialists	76	93	17	22.37	2	2	4		\$34.48
29-9012	Occupational Health and Safety Technicians	*	*	*	*	*	*	*	7	N/A
29-9091	Athletic Trainers	*	*	*	*	*	*	*	3	N/A
29-9099	Healthcare Practitioners and Technical Workers, All Other	*	*	*	*	*	*	*	5	\$26.09
31-0000	Healthcare Support Occupations	3,129	3,813	684	21.86	68	69	137	N/A	\$12.86
31-1000	Nursing, Psychiatric, and Home Health Aides	1,981	2,423	442	22.31	44	45	89	N/A	N/A
31-1011	Home Health Aides	412	551	139	33.74	14	9	23	N/A	\$13.09
31-1013	Psychiatric Aides	*	*	*	*	*	*	*	7	N/A
31-1014	Nursing Assistants	1,488	1,776	288	19.35	29	34	63	5	\$11.27
31-1015	Orderlies	*	*	*	*	*	*	*	7	\$12.64
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	97	133	36	37.11	4	3	7	N/A	N/A

	O	Employ	ment	Cha	nge	Job	Openings	5	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	ual 2014-	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
31-2011	Occupational Therapy Assistants	*	*	*	*	*	*	*	4	\$23.78
31-2021	Physical Therapist Assistants	72	100	28	38.89	3	2	5	4	\$28.47
31-2022	Physical Therapist Aides	*	*	*	*	*	*	*	7	\$10.79
31-9000	Other Healthcare Support Occupations	1,051	1,257	206	19.6	21	22	43	N/A	N/A
31-9011	Massage Therapists	90	112	22	24.44	2	1	3	5	\$21.39
31-9091	Dental Assistants	191	217	26	13.61	3	5	8	5	\$14.93
31-9092	Medical Assistants	495	602	107	21.62	11	10	21	5	\$13.91
31-9093	Medical Equipment Preparers	*	*	*	*	*	*	*	7	N/A
31-9094	Medical Transcriptionists	42	42	0	0	0	1	1	5	\$13.21
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	67	78	11	16.42	1	1	2	7	\$11.44
31-9097	Phlebotomists	96	120	24	25	2	2	4	5	\$12.48
31-9099	Healthcare Support Workers, All Other	*	*	*	*	*	*	*	7	\$12.76
33-0000	Protective Service Occupations	1,535	1,708	173	11.27	17	43	60	N/A	\$16.05
33-1000	Supervisors of Protective Service Workers	162	178	16	9.88	2	6	8	N/A	N/A
33-1011	First-Line Supervisors of Correctional Officers	*	*	*	*	*	*	*	7	N/A
33-1012	First-Line Supervisors of Police and Detectives	82	90	8	9.76	1	3	4	7	\$28.76
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	49	54	5	10.2	0	2	2	5	\$19.56
33-1099	First-Line Supervisors of Protective Service Workers, All Other	*	*	*	*	*	*	*	7	\$24.55
33-2000	Fire Fighting and Prevention Workers	211	233	22	10.43	2	6	8	N/A	N/A

	OtiI	Employ	ment	Cha	Change		Job Openings			Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
33-2011	Firefighters	204	226	22	10.78	2	6	8	5	\$11.91
33-2021	Fire Inspectors and Investigators	*	*	*	*	*	*	*	5	N/A
33-2022	Forest Fire Inspectors and Prevention Specialists	*	*	*	*	*	*	*	7	N/A
33-3000	Law Enforcement Workers	892	988	96	10.76	10	27	37	N/A	N/A
33-3011	Bailiffs	30	34	4	13.33	0	1	1	7	\$11.07
33-3012	Correctional Officers and Jailers	382	422	40	10.47	4	10	14	7	\$12.07
33-3021	Detectives and Criminal Investigators	52	57	5	9.62	0	1	1	7	\$33.60
33-3031	Fish and Game Wardens	*	*	*	*	*	*	*	3	N/A
33-3041	Parking Enforcement Workers	*	*	*	*	*	*	*	7	N/A
33-3051	Police and Sheriff's Patrol Officers	417	464	47	11.27	5	14	19	7	\$17.94
33-3052	Transit and Railroad Police	*	*	*	*	*	*	*	7	N/A
33-9000	Other Protective Service Workers	270	309	39	14.44	4	4	8	N/A	N/A
33-9011	Animal Control Workers	*	*	*	*	*	*	*	7	N/A
33-9021	Private Detectives and Investigators	*	*	*	*	*	*	*	7	N/A
33-9032	Security Guards	123	145	22	17.89	2	2	4	7	\$11.99
33-9091	Crossing Guards	*	*	*	*	*	*	*	N/A	N/A
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	74	82	8	10.81	1	1	2	N/A	\$9.01
33-9099	Protective Service Workers, All Other	30	34	4	13.33	0	0	0	7	\$19.04
35-0000	Food Preparation and Serving Related Occupations	10,721	11,486	765	7.14	81	384	465	N/A	\$10.32

	Occupational	Employ	ment	Change		Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
35-1000	Supervisors of Food Preparation and Serving Workers	903	990	87	9.63	9	27	36	N/A	N/A
35-1011	Chefs and Head Cooks	*	*	*	*	*	*	*	7	\$19.47
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	*	*	*	*	*	*	*	7	\$15.61
35-2000	Cooks and Food Preparation Workers	2,289	2,474	185	8.08	22	61	83	N/A	N/A
35-2011	Cooks, Fast Food	192	158	-34	-17.71	0	5	5	N/A	\$8.83
35-2012	Cooks, Institution and Cafeteria	627	681	54	8.61	5	17	22	N/A	\$11.27
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	5	N/A
35-2014	Cooks, Restaurant	1,087	1,228	141	12.97	14	29	43	N/A	\$9.89
35-2015	Cooks, Short Order	*	*	*	*	*	*	*	N/A	N/A
35-2019	Cooks, All Other	24	27	3	12.5	0	1	1	N/A	N/A
35-2021	Food Preparation Workers	356	377	21	5.9	2	10	12	N/A	\$9.98
35-3000	Food and Beverage Serving Workers	6,663	7,144	481	7.22	48	245	293	N/A	N/A
35-3011	Bartenders	131	144	13	9.92	1	5	6	N/A	\$9.71
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	4,636	5,067	431	9.3	43	150	193	N/A	\$8.98
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	*	*	*	*	*	*	*	N/A	\$8.80
35-3031	Waiters and Waitresses	1,595	1,606	11	0.69	1	77	78	N/A	\$12.27
35-3041	Food Servers, Nonrestaurant	*	*	*	*	*	*	*	N/A	\$9.18
35-9000	Other Food Preparation and Serving Related Workers	866	878	12	1.39	2	51	53	N/A	N/A
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	309	318	9	2.91	1	15	16	N/A	\$8.57

	O competition of	Employ	ment	Cha	nge	Job	Openings	5	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
35-9021	Dishwashers	146	136	-10	-6.85	0	6	6	N/A	\$9.64
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	411	424	13	3.16	1	29	30	N/A	\$9.13
37-0000	Building and Grounds Cleaning and Maintenance Occupations	3,420	3,803	383	11.2	38	71	109	N/A	\$10.96
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	276	305	29	10.51	3	4	7	N/A	N/A
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	161	182	21	13.04	2	2	4	7	\$13.58
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	115	123	8	6.96	1	2	3	7	\$17.68
37-2000	Building Cleaning and Pest Control Workers	2,355	2,655	300	12.74	30	52	82	N/A	N/A
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,004	1,147	143	14.24	14	20	34	N/A	\$11.57
37-2012	Maids and Housekeeping Cleaners	1,312	1,470	158	12.04	16	31	47	N/A	\$8.98
37-2021	Pest Control Workers	39	38	-1	-2.56	0	1	1	7	\$13.70
37-3000	Grounds Maintenance Workers	789	843	54	6.84	5	14	19	N/A	N/A
37-3011	Landscaping and Groundskeeping Workers	749	798	49	6.54	5	14	19	N/A	\$12.09
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	40	45	5	12.5	0	1	1	7	\$14.44
37-3013	Tree Trimmers and Pruners	*	*	*	*	*	*	*	7	N/A
39-0000	Personal Care and Service Occupations	3,203	3,608	405	12.64	40	73	113	N/A	\$11.62
39-1000	Supervisors of Personal Care and Service Workers	232	260	28	12.07	3	5	8	N/A	N/A
39-1012	Slot Supervisors	*	*	*	*	*	*	*	7	N/A
39-1021	First-Line Supervisors of Personal Service Workers	*	*	*	*	*	*	*	7	\$15.47
39-2000	Animal Care and Service Workers	270	305	35	12.96	4	6	10	N/A	N/A

	Occurational	Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
39-2011	Animal Trainers	14	16	2	14.29	0	0	0	7	N/A
39-2021	Nonfarm Animal Caretakers	256	289	33	12.89	3	5	8	7	\$15.61
39-3000	Entertainment Attendants and Related Workers	244	269	25	10.25	2	10	12	N/A	N/A
39-3091	Amusement and Recreation Attendants	224	244	20	8.93	2	9	11	N/A	\$10.42
39-3092	Costume Attendants	*	*	*	*	*	*	*	7	N/A
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	*	*	*	7	N/A
39-4000	Funeral Service Workers	87	96	9	10.34	1	2	3	N/A	N/A
39-4011	Embalmers	*	*	*	*	*	*	*	5	N/A
39-4021	Funeral Attendants	*	*	*	*	*	*	*	7	N/A
39-4031	Morticians, Undertakers, and Funeral Directors	79	88	9	11.39	1	2	3	4	\$24.25
39-5000	Personal Appearance Workers	279	325	46	16.49	5	7	12	N/A	N/A
39-5012	Hairdressers, Hairstylists, and Cosmetologists	*	*	*	*	*	*	*	5	\$10.27
39-5094	Skincare Specialists	*	*	*	*	*	*	*	5	N/A
39-6000	Baggage Porters, Bellhops, and Concierges	*	*	*	*	*	*	*	N/A	N/A
39-6011	Baggage Porters and Bellhops	*	*	*	*	*	*	*	7	N/A
39-7000	Tour and Travel Guides	138	147	9	6.52	1	5	6	N/A	N/A
39-7011	Tour Guides and Escorts	138	147	9	6.52	1	5	6	7	\$12.44
39-7012	Travel Guides	*	*	*	*	*	*	*	7	N/A
39-9000	Other Personal Care and Service Workers	1,953	2,206	253	12.95	25	38	63	N/A	N/A

	Occupational	Employ	/ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Ann	ual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
39-9011	Childcare Workers	682	746	64	9.38	6	20	26	7	\$9.55
39-9021	Personal Care Aides	688	809	121	17.59	12	6	18	N/A	\$10.34
39-9031	Fitness Trainers and Aerobics Instructors	188	204	16	8.51	2	4	6	7	\$15.13
39-9032	Recreation Workers	247	284	37	14.98	4	5	9	7	\$11.81
39-9041	Residential Advisors	*	*	*	*	*	*	*	7	\$9.30
39-9099	Personal Care and Service Workers, All Other	*	*	*	*	*	*	*	7	\$16.31
41-0000	Sales and Related Occupations	11,571	12,430	859	7.42	90	363	453	N/A	\$14.72
41-1000	Supervisors of Sales Workers	1,523	1,647	124	8.14	12	32	44	N/A	N/A
41-1011	First-Line Supervisors of Retail Sales Workers	1,345	1,445	100	7.43	10	30	40	7	\$16.32
41-1012	First-Line Supervisors of Non-Retail Sales Workers	178	202	24	13.48	2	2	4	7	\$25.84
41-2000	Retail Sales Workers	7,547	7,988	441	5.84	46	279	325	N/A	N/A
41-2011	Cashiers	3,021	2,998	-23	-0.76	0	128	128	N/A	\$9.06
41-2021	Counter and Rental Clerks	301	322	21	6.98	2	8	10	N/A	\$11.66
41-2022	Parts Salespersons	301	332	31	10.3	3	7	10	N/A	\$14.05
41-2031	Retail Salespersons	3,924	4,336	412	10.5	41	136	177	N/A	\$13.17
41-3000	Sales Representatives, Services	884	960	76	8.6	8	20	28	N/A	N/A
41-3011	Advertising Sales Agents	88	81	-7	-7.95	0	3	3	7	\$19.76
41-3021	Insurance Sales Agents	317	353	36	11.36	4	8	12	7	\$24.55
41-3031	Securities, Commodities, and Financial Services Sales Agents	219	241	22	10.05	2	4	6	3	\$27.46

	Occumentational	Employ	ment	Cha	nge	Job	Openings	5	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
41-3099	Sales Representatives, Services, All Other	260	285	25	9.62	2	6	8	7	\$20.52
41-4000	Sales Representatives, Wholesale and Manufacturing	1,171	1,370	199	16.99	20	24	44	N/A	N/A
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	131	155	24	18.32	2	3	5	3	\$26.10
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,040	1,215	175	16.83	18	21	39	7	\$27.57
41-9000	Other Sales and Related Workers	446	465	19	4.26	3	8	11	N/A	N/A
41-9011	Demonstrators and Product Promoters	*	*	*	*	*	*	*	7	N/A
41-9012	Models	*	*	*	*	*	*	*	N/A	N/A
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	7	N/A
41-9022	Real Estate Sales Agents	82	88	6	7.32	1	1	2	7	\$11.99
41-9031	Sales Engineers	*	*	*	*	*	*	*	3	\$55.96
41-9041	Telemarketers	*	*	*	*	*	*	*	N/A	\$12.63
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	21	22	1	4.76	0	0	0	N/A	N/A
41-9099	Sales and Related Workers, All Other	42	49	7	16.67	1	1	2	7	\$17.31
43-0000	Office and Administrative Support Occupations	15,871	17,213	1342	8.46	154	340	494	N/A	\$14.77
43-1000	Supervisors of Office and Administrative Support Workers	956	1,076	120	12.55	12	14	26	N/A	N/A
43-1011	First-Line Supervisors of Office and Administrative Support Workers	956	1,076	120	12.55	12	14	26	7	\$21.84
43-2000	Communications Equipment Operators	92	67	-25	-27.17	0	1	1	N/A	N/A
43-2011	Switchboard Operators, Including Answering Service	92	67	-25	-27.17	0	1	1	7	\$11.25
43-3000	Financial Clerks	2,732	2,746	14	0.51	9	54	63	N/A	N/A

	Otime!	Employ	ment	Cha	nge	Job	Openings		Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
43-3011	Bill and Account Collectors	56	60	4	7.14	0	1	1	7	\$15.51
43-3021	Billing and Posting Clerks	436	516	80	18.35	8	9	17	7	\$14.67
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,449	1,396	-53	-3.66	0	14	14	6	\$16.62
43-3051	Payroll and Timekeeping Clerks	150	151	1	0.67	0	4	4	7	\$18.41
43-3061	Procurement Clerks	*	*	*	*	*	*	*	7	N/A
43-3071	Tellers	587	567	-20	-3.41	0	23	23	7	\$13.16
43-3099	Financial Clerks, All Other	*	*	*	*	*	*	*	7	N/A
43-4000	Information and Record Clerks	4,976	5,779	803	16.14	81	127	208	N/A	N/A
43-4011	Brokerage Clerks	*	*	*	*	*	*	*	7	\$23.39
43-4031	Court, Municipal, and License Clerks	131	145	14	10.69	1	1	2	7	\$15.88
43-4041	Credit Authorizers, Checkers, and Clerks	*	*	*	*	*	*	*	7	N/A
43-4051	Customer Service Representatives	2,797	3,323	526	18.81	53	69	122	7	\$12.95
43-4061	Eligibility Interviewers, Government Programs	36	42	6	16.67	1	0	1	7	\$18.27
43-4071	File Clerks	64	63	-1	-1.56	0	1	1	7	\$12.69
43-4081	Hotel, Motel, and Resort Desk Clerks	296	341	45	15.2	4	15	19	7	\$9.16
43-4111	Interviewers, Except Eligibility and Loan	337	402	65	19.29	6	8	14	7	\$13.34
43-4121	Library Assistants, Clerical	62	70	8	12.9	1	2	3	7	\$10.51
43-4131	Loan Interviewers and Clerks	126	144	18	14.29	2	2	4	7	\$15.38
43-4141	New Accounts Clerks	50	48	-2	-4	0	1	1	7	\$18.97

	Occupational	Employ	yment	Cha	nge	Job	Openings	S	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
43-4151	Order Clerks	81	75	-6	-7.41	0	2	2	7	\$14.85
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	71	71	0	0	0	1	1	4	\$20.50
43-4171	Receptionists and Information Clerks	855	980	125	14.62	12	23	35	7	\$11.42
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	*	*	*	*	*	*	*	7	N/A
43-4199	Information and Record Clerks, All Other	46	51	5	10.87	0	1	1	7	\$18.06
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	3,331	3,466	135	4.05	22	87	109	N/A	N/A
43-5011	Cargo and Freight Agents	21	23	2	9.52	0	1	1	7	\$20.37
43-5021	Couriers and Messengers	116	126	10	8.62	1	2	3	7	\$11.55
43-5031	Police, Fire, and Ambulance Dispatchers	175	176	1	0.57	0	4	4	7	\$11.61
43-5032	Dispatchers, Except Police, Fire, and Ambulance	111	125	14	12.61	1	3	4	7	\$15.58
43-5041	Meter Readers, Utilities	137	124	-13	-9.49	0	2	2	7	\$14.60
43-5051	Postal Service Clerks	76	64	-12	-15.79	0	1	1	7	\$23.53
43-5052	Postal Service Mail Carriers	320	270	-50	-15.62	0	6	6	7	\$24.46
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	25	19	-6	-24	0	0	0	7	\$27.27
43-5061	Production, Planning, and Expediting Clerks	308	341	33	10.71	3	8	11	7	\$22.42
43-5071	Shipping, Receiving, and Traffic Clerks	490	544	54	11.02	5	11	16	7	\$15.69
43-5081	Stock Clerks and Order Fillers	1,498	1,592	94	6.28	9	48	57	N/A	\$12.93
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	54	62	8	14.81	1	2	3	7	\$16.97
43-6000	Secretaries and Administrative Assistants	2,283	2,478	195	8.54	20	24	44	N/A	N/A

	Occumational	Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Ann	ual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
43-6011	Executive Secretaries and Executive Administrative Assistants	203	197	-6	-2.96	0	2	2	7	\$22.75
43-6012	Legal Secretaries	91	94	3	3.3	0	1	1	7	\$15.90
43-6013	Medical Secretaries	378	452	74	19.58	7	4	11	7	\$13.20
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,611	1,735	124	7.7	12	17	29	7	\$13.99
43-9000	Other Office and Administrative Support Workers	1,501	1,601	100	6.66	11	33	44	N/A	N/A
43-9011	Computer Operators	*	*	*	*	*	*	*	7	\$14.31
43-9021	Data Entry Keyers	30	29	-1	-3.33	0	0	0	7	\$12.69
43-9022	Word Processors and Typists	*	*	*	*	*	*	*	7	N/A
43-9031	Desktop Publishers	*	*	*	*	*	*	*	4	N/A
43-9041	Insurance Claims and Policy Processing Clerks	20	21	1	5	0	0	0	7	\$16.49
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	*	*	*	*	*	*	*	7	\$11.00
43-9061	Office Clerks, General	1,281	1,376	95	7.42	10	28	38	7	\$12.98
43-9071	Office Machine Operators, Except Computer	*	*	*	*	*	*	*	7	\$10.58
43-9199	Office and Administrative Support Workers, All Other	117	128	11	9.4	1	3	4	7	\$13.65
45-0000	Farming, Fishing, and Forestry Occupations	527	558	31	5.88	3	14	17	N/A	\$12.94
45-1000	Supervisors of Farming, Fishing, and Forestry Workers	30	30	0	0	0	1	1	N/A	N/A
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30	30	0	0	0	1	1	7	\$21.71
45-2000	Agricultural Workers	476	504	28	5.88	3	13	16	N/A	N/A
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	3	N/A

	Occumational	Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
45-2021	Animal Breeders	*	*	*	*	*	*	*	7	N/A
45-2041	Graders and Sorters, Agricultural Products	*	*	*	*	*	*	*	N/A	N/A
45-2091	Agricultural Equipment Operators	23	27	4	17.39	0	1	1	N/A	N/A
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	267	270	3	1.12	0	7	7	N/A	\$11.85
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	159	178	19	11.95	2	4	6	N/A	\$11.53
45-2099	Agricultural Workers, All Other	10	11	1	10	0	0	0	N/A	N/A
45-4000	Forest, Conservation, and Logging Workers	21	24	3	14.29	0	0	0	N/A	N/A
45-4011	Forest and Conservation Workers	*	*	*	*	*	*	*	7	N/A
45-4021	Fallers	*	*	*	*	*	*	*	7	N/A
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	7	N/A
45-4023	Log Graders and Scalers	12	13	1	8.33	0	0	0	7	N/A
45-4029	Logging Workers, All Other	*	*	*	*	*	*	*	7	N/A
47-0000	Construction and Extraction Occupations	4,643	5,237	594	12.79	60	71	131	N/A	\$18.94
47-1000	Supervisors of Construction and Extraction Workers	472	535	63	13.35	6	4	10	N/A	N/A
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	472	535	63	13.35	6	4	10	7	\$25.57
47-2000	Construction Trades Workers	3,624	4,080	456	12.58	46	56	102	N/A	N/A
47-2011	Boilermakers	*	*	*	*	*	*	*	7	N/A
47-2021	Brickmasons and Blockmasons	61	78	17	27.87	2	0	2	7	\$18.27
47-2022	Stonemasons	*	*	*	*	*	*	*	7	N/A

	Occumational	Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
47-2031	Carpenters	724	794	70	9.67	7	8	15	7	\$19.28
47-2043	Floor Sanders and Finishers	*	*	*	*	*	*	*	N/A	N/A
47-2044	Tile and Marble Setters	*	*	*	*	*	*	*	N/A	N/A
47-2051	Cement Masons and Concrete Finishers	122	142	20	16.39	2	2	4	N/A	\$16.20
47-2061	Construction Laborers	627	714	87	13.88	9	12	21	N/A	\$15.37
47-2071	Paving, Surfacing, and Tamping Equipment Operators	74	78	4	5.41	0	2	2	7	\$19.65
47-2073	Operating Engineers and Other Construction Equipment Operators	468	516	48	10.26	5	8	13	7	\$19.42
47-2081	Drywall and Ceiling Tile Installers	*	*	*	*	*	*	*	N/A	N/A
47-2111	Electricians	598	691	93	15.55	9	9	18	7	\$22.91
47-2121	Glaziers	*	*	*	*	*	*	*	7	N/A
47-2131	Insulation Workers, Floor, Ceiling, and Wall	*	*	*	*	*	*	*	N/A	N/A
47-2141	Painters, Construction and Maintenance	195	217	22	11.28	2	3	5	N/A	\$15.74
47-2151	Pipelayers	51	55	4	7.84	0	1	1	N/A	\$17.45
47-2152	Plumbers, Pipefitters, and Steamfitters	282	322	40	14.18	4	4	8	7	\$19.84
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	*	*	*	7	N/A
47-2181	Roofers	105	126	21	20	2	2	4	N/A	\$15.56
47-2211	Sheet Metal Workers	136	152	16	11.76	2	3	5	7	\$15.40
47-2221	Structural Iron and Steel Workers	46	48	2	4.35	0	1	1	7	N/A
47-3000	Helpers, Construction Trades	174	212	38	21.84	4	2	6	N/A	N/A

	O	Employ	ment	Chai	nge	Job	Openings	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps Tota	l Code	2016
47-3011	HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	*	*	*	*	*	*	* N/A	N/A
47-3012	HelpersCarpenters	*	*	*	*	*	*	* N/A	N/A
47-3013	HelpersElectricians	99	123	24	24.24	2	1	3 7	\$14.32
47-3014	HelpersPainters, Paperhangers, Plasterers, and Stucco Masons	*	*	*	*	*	*	* N/A	N/A
47-3015	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	*	*	*	*	*	*	* 7	\$11.02
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	*	*	* N/A	N/A
47-4000	Other Construction and Related Workers	260	286	26	10	3	7	10 N/A	N/A
47-4011	Construction and Building Inspectors	36	41	5	13.89	0	1	1 7	\$24.28
47-4031	Fence Erectors	*	*	*	*	*	*	* N/A	N/A
47-4041	Hazardous Materials Removal Workers	*	*	*	*	*	*	* 7	\$13.16
47-4051	Highway Maintenance Workers	162	178	16	9.88	2	4	6 7	\$12.77
47-4061	Rail-Track Laying and Maintenance Equipment Operators	*	*	*	*	*	*	* 7	N/A
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	35	39	4	11.43	0	1	1 N/A	\$14.78
47-4099	Construction and Related Workers, All Other	*	*	*	*	*	*	* 7	N/A
47-5000	Extraction Workers	113	124	11	9.73	1	2	3 N/A	N/A
47-5013	Service Unit Operators, Oil, Gas, and Mining	*	*	*	*	*	*	* N/A	N/A
47-5021	Earth Drillers, Except Oil and Gas	*	*	*	*	*	*	* 7	N/A
47-5041	Continuous Mining Machine Operators	*	*	*	*	*	*	* N/A	N/A
47-5071	Roustabouts, Oil and Gas	*	*	*	*	*	*	* N/A	N/A

	O competition of	Employ	ment	Cha	nge	Job	Openings	5	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
47-5081	HelpersExtraction Workers	19	22	3	15.79	0	0	0	7	N/A
47-5099	Extraction Workers, All Other	*	*	*	*	*	*	*	7	N/A
49-0000	Installation, Maintenance, and Repair Occupations	4,935	5,717	782	15.85	78	114	192	N/A	\$19.29
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	355	396	41	11.55	4	7	11	N/A	N/A
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	355	396	41	11.55	4	7	11	7	\$27.75
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	302	324	22	7.28	2	4	6	N/A	N/A
49-2011	Computer, Automated Teller, and Office Machine Repairers	*	*	*	*	*	*	*	6	\$17.35
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	*	*	*	*	*	*	*	4	N/A
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	166	173	7	4.22	1	2	3	5	\$21.10
49-2092	Electric Motor, Power Tool, and Related Repairers	*	*	*	*	*	*	*	5	N/A
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	*	*	*	*	*	*	*	5	N/A
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	55	61	6	10.91	1	1	2	5	\$28.06
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	*	*	*	*	*	*	*	5	N/A
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	*	*	*	*	*	*	*	5	N/A
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	*	*	*	*	*	*	*	5	N/A
49-2098	Security and Fire Alarm Systems Installers	*	*	*	*	*	*	*	7	N/A
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	1,291	1,417	126	9.76	13	31	44	N/A	N/A
49-3021	Automotive Body and Related Repairers	73	78	5	6.85	0	2	2	7	\$13.21
49-3023	Automotive Service Technicians and Mechanics	612	646	34	5.56	3	16	19	5	\$17.83

	Occumational	Employ	ment	Cha	nge	Job	Openings		Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	295	352	57	19.32	6	5	11	7	\$16.84
49-3041	Farm Equipment Mechanics and Service Technicians	67	76	9	13.43	1	2	3	7	\$15.79
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	61	64	3	4.92	0	1	1	7	\$21.86
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	7	N/A
49-3051	Motorboat Mechanics and Service Technicians	*	*	*	*	*	*	*	7	N/A
49-3052	Motorcycle Mechanics	23	24	1	4.35	0	0	0	5	\$19.56
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	*	*	*	*	*	*	*	7	\$14.76
49-3091	Bicycle Repairers	*	*	*	*	*	*	*	7	N/A
49-3093	Tire Repairers and Changers	55	61	6	10.91	1	2	3	7	\$11.07
49-9000	Other Installation, Maintenance, and Repair									_
	Occupations	2,987	3,580	593	19.85	60	72	132	N/A	N/A
49-9011	Mechanical Door Repairers	*	*	*	*	*	*	*	7	N/A
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	*	*	*	*	*	*	*	7	N/A
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	249	305	56	22.49	6	4	10	5	\$20.10
49-9031	Home Appliance Repairers	*	*	*	*	*	*	*	7	N/A
49-9041	Industrial Machinery Mechanics	853	1,127	274	32.12	27	22	49	7	\$22.58
49-9043	Maintenance Workers, Machinery	128	176	48	37.5	5	2	7	7	\$22.51
49-9044	Millwrights	*	*	*	*	*	*	*	7	N/A
49-9051	Electrical Power-Line Installers and Repairers	*	*	*	*	*	*	*	7	\$30.53
49-9052	Telecommunications Line Installers and Repairers	64	65	1	1.56	0	1	1	7	\$17.34

	Occumational	Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
49-9062	Medical Equipment Repairers	*	*	*	*	*	*	*	4	\$17.31
49-9063	Musical Instrument Repairers and Tuners	*	*	*	*	*	*	*	7	N/A
49-9069	Precision Instrument and Equipment Repairers, All Other	*	*	*	*	*	*	*	7	\$20.88
49-9071	Maintenance and Repair Workers, General	1,222	1,392	170	13.91	17	32	49	7	\$16.32
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	*	*	*	*	*	*	*	7	N/A
49-9094	Locksmiths and Safe Repairers	*	*	*	*	*	*	*	7	N/A
49-9096	Riggers	*	*	*	*	*	*	*	7	N/A
49-9097	Signal and Track Switch Repairers	11	13	2	18.18	0	0	0	7	N/A
49-9098	HelpersInstallation, Maintenance, and Repair Workers	50	59	9	18	1	2	3	7	\$12.37
49-9099	Installation, Maintenance, and Repair Workers, All Other	199	214	15	7.54	2	3	5	7	\$15.02
51-0000	Production Occupations	17,008	18,651	1643	9.66	193	375	568	N/A	\$16.74
51-1000	Supervisors of Production Workers	1,084	1,215	131	12.08	13	17	30	N/A	N/A
51-1011	First-Line Supervisors of Production and Operating Workers	1,084	1,215	131	12.08	13	17	30	7	\$24.64
51-2000	Assemblers and Fabricators	5,143	5,653	510	9.92	51	110	161	N/A	N/A
51-2021	Coil Winders, Tapers, and Finishers	*	*	*	*	*	*	*	7	N/A
51-2022	Electrical and Electronic Equipment Assemblers	*	*	*	*	*	*	*	7	\$12.96
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	*	*	*	7	N/A
51-2031	Engine and Other Machine Assemblers	*	*	*	*	*	*	*	7	N/A
51-2041	Structural Metal Fabricators and Fitters	*	*	*	*	*	*	*	7	\$16.35

	O	Employ	ment	Cha	nge	Job	Openings	5	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	ual 2014-	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
51-2091	Fiberglass Laminators and Fabricators	*	*	*	*	*	*	*	7	N/A
51-2092	Team Assemblers	4,294	4,660	366	8.52	37	92	129	7	\$16.49
51-2099	Assemblers and Fabricators, All Other	569	671	102	17.93	10	12	22	7	\$12.89
51-3000	Food Processing Workers	811	1,020	209	25.77	21	17	38	N/A	N/A
51-3011	Bakers	103	125	22	21.36	2	2	4	N/A	\$14.09
51-3021	Butchers and Meat Cutters	75	80	5	6.67	0	2	2	N/A	\$15.14
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	54	58	4	7.41	0	1	1	N/A	N/A
51-3023	Slaughterers and Meat Packers	*	*	*	*	*	*	*	N/A	N/A
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	*	*	*	*	*	*	*	N/A	N/A
51-3092	Food Batchmakers	*	*	*	*	*	*	*	7	N/A
51-3093	Food Cooking Machine Operators and Tenders	*	*	*	*	*	*	*	7	N/A
51-3099	Food Processing Workers, All Other	76	96	20	26.32	2	2	4	N/A	\$11.60
51-4000	Metal Workers and Plastic Workers	3,219	3,137	-82	-2.55	19	70	89	N/A	N/A
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	205	235	30	14.63	3	6	9	7	\$19.27
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	*	*	*	*	*	*	*	7	\$20.01
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	*	*	*	7	N/A
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	*	*	*	7	\$20.39
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	221	198	-23	-10.41	0	5	5	7	\$21.74
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	380	337	-43	-11.32	0	5	5	7	\$15.47

	Occumentational	Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	*	*	*	7	N/A
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24	20	-4	-16.67	0	1	1	7	\$20.15
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	*	*	*	7	\$19.56
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	*	*	*	7	N/A
51-4041	Machinists	328	402	74	22.56	7	10	17	7	\$19.47
51-4051	Metal-Refining Furnace Operators and Tenders	*	*	*	*	*	*	*	7	N/A
51-4052	Pourers and Casters, Metal	*	*	*	*	*	*	*	7	N/A
51-4061	Model Makers, Metal and Plastic	*	*	*	*	*	*	*	7	N/A
51-4062	Patternmakers, Metal and Plastic	*	*	*	*	*	*	*	7	N/A
51-4071	Foundry Mold and Coremakers	*	*	*	*	*	*	*	7	N/A
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	367	324	-43	-11.72	0	6	6	7	\$15.48
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	*	*	*	7	\$21.58
51-4111	Tool and Die Makers	192	187	-5	-2.6	0	1	1	7	\$22.21
51-4121	Welders, Cutters, Solderers, and Brazers	494	559	65	13.16	6	14	20	7	\$18.61
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	7	\$17.35
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	*	*	*	7	\$19.62
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	*	*	*	7	N/A
51-4194	Tool Grinders, Filers, and Sharpeners	*	*	*	*	*	*	*	7	\$19.41
51-4199	Metal Workers and Plastic Workers, All Other	*	*	*	*	*	*	*	7	N/A

	Occupational	Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
51-5100	Printing Workers	410	485	75	18.29	8	6	14	N/A	N/A
51-5111	Prepress Technicians and Workers	*	*	*	*	*	*	*	5	\$18.06
51-5112	Printing Press Operators	304	366	62	20.39	6	5	11	7	\$16.43
51-5113	Print Binding and Finishing Workers	*	*	*	*	*	*	*	7	\$15.64
51-6000	Textile, Apparel, and Furnishings Workers	424	462	38	8.96	4	6	10	N/A	N/A
51-6011	Laundry and Dry-Cleaning Workers	178	191	13	7.3	1	3	4	N/A	\$11.14
51-6021	Pressers, Textile, Garment, and Related Materials	96	95	-1	-1.04	0	2	2	N/A	\$9.71
51-6031	Sewing Machine Operators	*	*	*	*	*	*	*	N/A	\$10.97
51-6052	Tailors, Dressmakers, and Custom Sewers	*	*	*	*	*	*	*	N/A	N/A
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	*	*	*	*	*	*	*	7	N/A
51-6093	Upholsterers	*	*	*	*	*	*	*	7	N/A
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	*	*	*	7	N/A
51-7000	Woodworkers	574	602	28	4.88	3	10	13	N/A	N/A
51-7011	Cabinetmakers and Bench Carpenters	195	204	9	4.62	1	2	3	7	\$11.04
51-7021	Furniture Finishers	*	*	*	*	*	*	*	7	N/A
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	191	206	15	7.85	2	5	7	7	\$11.86
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	*	*	*	*	*	*	*	7	\$11.27
51-8000	Plant and System Operators	124	137	13	10.48	1	3	4	N/A	N/A
51-8021	Stationary Engineers and Boiler Operators	19	21	2	10.53	0	0	0	7	\$20.82

	0	Employ	ment	Chai	nge	Job	Openings		Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
51-8031	Water and Wastewater Treatment Plant and System Operators	96	106	10	10.42	1	2	3	7	\$17.71
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	*	*	*	*	*	*	*	7	N/A
51-8099	Plant and System Operators, All Other	*	*	*	*	*	*	*	7	N/A
51-9000	Other Production Occupations	5,219	5,940	721	13.81	73	134	207	N/A	N/A
51-9011	Chemical Equipment Operators and Tenders	*	*	*	*	*	*	*	7	N/A
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	21	28	7	33.33	1	1	2	7	\$14.78
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	7	N/A
51-9022	Grinding and Polishing Workers, Hand	*	*	*	*	*	*	*	N/A	N/A
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	280	344	64	22.86	6	6	12	7	\$16.35
51-9031	Cutters and Trimmers, Hand	*	*	*	*	*	*	*	N/A	N/A
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	177	199	22	12.43	2	4	6	7	\$18.32
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	7	\$17.29
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	*	*	*	*	*	*	*	7	N/A
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	972	1,070	98	10.08	10	24	34	7	\$17.55
51-9071	Jewelers and Precious Stone and Metal Workers	*	*	*	*	*	*	*	7	N/A
51-9081	Dental Laboratory Technicians	*	*	*	*	*	*	*	7	N/A
51-9083	Ophthalmic Laboratory Technicians	*	*	*	*	*	*	*	7	N/A
51-9111	Packaging and Filling Machine Operators and Tenders	*	*	*	*	*	*	*	7	\$14.81
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	124	133	9	7.26	1	2	3	7	\$15.05

	Occupational	Employ	ment	Cha	nge	Job	Openings	;	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014-	2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
51-9122	Painters, Transportation Equipment	13	13	0	0	0	0	0	7	\$18.46
51-9123	Painting, Coating, and Decorating Workers	*	*	*	*	*	*	*	N/A	N/A
51-9141	Semiconductor Processors	*	*	*	*	*	*	*	4	N/A
51-9151	Photographic Process Workers and Processing Machine Operators	*	*	*	*	*	*	*	7	\$13.42
51-9191	Adhesive Bonding Machine Operators and Tenders	*	*	*	*	*	*	*	7	\$16.46
51-9193	Cooling and Freezing Equipment Operators and Tenders	34	40	6	17.65	1	1	2	7	\$9.48
51-9194	Etchers and Engravers	*	*	*	*	*	*	*	7	N/A
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	*	*	*	*	*	*	*	7	N/A
51-9196	Paper Goods Machine Setters, Operators, and Tenders	541	629	88	16.27	9	8	17	7	\$19.03
51-9197	Tire Builders	*	*	*	*	*	*	*	7	N/A
51-9198	HelpersProduction Workers	625	683	58	9.28	6	20	26	N/A	\$12.66
51-9199	Production Workers, All Other	910	1,024	114	12.53	11	19	30	7	\$13.77
53-0000	Transportation and Material Moving Occupations	8,548	9,831	1283	15.01	129	204	333	N/A	\$14.97
53-1000	Supervisors of Transportation and Material Moving Workers	343	385	42	12.24	4	11	15	N/A	N/A
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	7	N/A
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	*	*	*	*	*	*	*	7	\$21.76
53-1031	First-Line Supervisors of Transportation and Material- Moving Machine and Vehicle Operators	179	206	27	15.08	3	6	9	7	\$24.09
53-2000	Air Transportation Workers	*	*	*	*	*	*	*	N/A	N/A
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	*	*	*	3	N/A

	Occurational	Employ	ment	Cha	nge	Job	Openings	5	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
53-2012	Commercial Pilots	*	*	*	*	*	*	*	7	N/A
53-3000	Motor Vehicle Operators	3,464	3,970	506	14.61	51	58	109	N/A	N/A
53-3021	Bus Drivers, Transit and Intercity	*	*	*	*	*	*	*	7	N/A
53-3022	Bus Drivers, School or Special Client	439	495	56	12.76	6	6	12	7	\$15.27
53-3031	Driver/Sales Workers	622	683	61	9.81	6	11	17	7	\$11.18
53-3032	Heavy and Tractor-Trailer Truck Drivers	1,508	1,777	269	17.84	27	26	53	5	\$19.69
53-3033	Light Truck or Delivery Services Drivers	703	786	83	11.81	8	12	20	7	\$17.14
53-3041	Taxi Drivers and Chauffeurs	*	*	*	*	*	*	*	N/A	\$9.24
53-3099	Motor Vehicle Operators, All Other	*	*	*	*	*	*	*	N/A	N/A
53-4000	Rail Transportation Workers	33	35	2	6.06	0	1	1	N/A	N/A
53-4011	Locomotive Engineers	12	13	1	8.33	0	0	0	7	N/A
53-4012	Locomotive Firers	*	*	*	*	*	*	*	7	N/A
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	*	*	*	*	*	*	*	7	N/A
53-4021	Railroad Brake, Signal, and Switch Operators	*	*	*	*	*	*	*	7	N/A
53-4031	Railroad Conductors and Yardmasters	13	14	1	7.69	0	0	0	7	N/A
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	7	N/A
53-5000	Water Transportation Workers	*	*	*	*	*	*	*	N/A	N/A
53-5011	Sailors and Marine Oilers	*	*	*	*	*	*	*	N/A	N/A
53-5021	Captains, Mates, and Pilots of Water Vessels	*	*	*	*	*	*	*	5	N/A

	Occumational	Employ	ment	Cha	nge	Job	Openings	5	Education	Avg.
	Occupational	2014	2024	2014	2024	Avg. Anr	nual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
53-5022	Motorboat Operators	*	*	*	*	*	*	*	5	N/A
53-6000	Other Transportation Workers	136	156	20	14.71	2	6	8	N/A	N/A
53-6011	Bridge and Lock Tenders	*	*	*	*	*	*	*	7	N/A
53-6021	Parking Lot Attendants	*	*	*	*	*	*	*	N/A	N/A
53-6031	Automotive and Watercraft Service Attendants	116	132	16	13.79	2	5	7	N/A	\$11.28
53-6051	Transportation Inspectors	*	*	*	*	*	*	*	7	N/A
53-6061	Transportation Attendants, Except Flight Attendants	*	*	*	*	*	*	*	7	N/A
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	7	N/A
53-7000	Material Moving Workers	4,558	5,270	712	15.62	72	127	199	N/A	N/A
53-7011	Conveyor Operators and Tenders	36	47	11	30.56	1	1	2	N/A	N/A
53-7021	Crane and Tower Operators	53	49	-4	-7.55	0	2	2	7	N/A
53-7032	Excavating and Loading Machine and Dragline Operators	*	*	*	*	*	*	*	7	N/A
53-7041	Hoist and Winch Operators	*	*	*	*	*	*	*	N/A	N/A
53-7051	Industrial Truck and Tractor Operators	830	904	74	8.92	7	21	28	N/A	\$14.57
53-7061	Cleaners of Vehicles and Equipment	144	161	17	11.81	2	5	7	N/A	\$10.91
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,126	2,440	314	14.77	31	63	94	N/A	\$11.82
53-7063	Machine Feeders and Offbearers	*	*	*	*	*	*	*	N/A	\$13.02
53-7064	Packers and Packagers, Hand	951	1,204	253	26.6	25	25	50	N/A	\$12.65
53-7073	Wellhead Pumpers	*	*	*	*	*	*	*	7	N/A

	Occupational		Employment		Change		Openings	;	Education	Avg.
			2024	2014	2024	Avg. Ann	nual 2014	-2024	Training Req.	Wage
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	Code	2016
53-7081	Refuse and Recyclable Material Collectors	160	173	13	8.12	1	4	5	N/A	\$13.84
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	*	*	*	N/A	N/A
53-7199	Material Moving Workers, All Other	15	16	1	6.67	0	0	0	N/A	N/A