

***Short-Term Industry and Occupational Projections***

Arkansas-Statewide

to

**ARKANSAS**

**SHORT-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2021-2023**

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Asa Hutchinson, Governor State of Arkansas

Charisse Childers, Ph.D., Director Division of Workforce Services

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**ARKANSAS**

**SHORT-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2021-2023**

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P.O. Box 2981 Little Rock, AR 72203 Phone: (501) 682-3123

Fax: (501) 682-3186

TTD/TTY Voice: 1-800-285-1121

TDD: 1-800-285-1131

State of Arkansas Home Page: [http://www.arkansas.gov](http://www.arkansas.gov/) Division of Workforce Services Home Page: [http://dws.arkansas.gov](http://dws.arkansas.gov/)

Labor Market Information Web Portal: [http://www.discover.arkansas.gov](http://www.discover.arkansas.gov/)

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**Definitions of Important Terms**

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| **Term** | **Definition** |
| **Estimated Employment** | The average number of jobs in a particular industry or occupation during the benchmark year or quarter. |
| **Content Skills** | Learned capabilities that allow workers to master and perform the specific activities of their jobs. |
| **Current Employment Statistics (CES)** | A monthly survey of business establishments that provides estimates of employment, hours, and earnings data by industry for the nation, all states, and most major metropolitan areas. |
| **Employment** | The number of jobs in a business or firm at any given time. |
| **Fastest Growing/Declining** | Refers to percent growth. The higher the percent growth, the faster an industry or occupation is growing. For declining industries or occupations, the lower the percent growth, the faster it is declining. |
| **Generalized Work Activities** | Learned sets of facts and standards required by many work situations. |
| **Industry** | A group of establishments that produce similar products or provide similar services. |
| **Knowledge Domain** | Learned sets of facts and standards required by many work situations. |
| **Metropolitan Statistical Area** | A county or group of contiguous counties that contains an urban center of at least 50,000 residents and has a high degree of economic and social ties. |
| **Numeric Change** | The difference between projected employment and base employment. |
| **North American Industry Classification System (NAICS)** | A system used in assigning industry-designated code numbers to employers and/or establishments based on the nature of their activities, services rendered, or products delivered; established by the U.S. Office of Management and Budget and used by all agencies for data compilation. |
| **Occupation** | A set of activities that employees are paid to perform; employees who perform the same tasks are in the same occupation even if they are in the same industry. |
| **Occupational Employment Statistics (OES)** | A federal/state cooperative program that produces employment and wage estimates for over 700 occupations. These are estimates of the number of people employed in certain occupations and estimates of the wages paid to them. They are also used to gather occupational staffing patterns by industry that are used to project employment needs by occupation. |
| **Percent (%) Change** | The rate at which an industry or occupation is expected to grow or decline. |
| **Projected Employment** | The average number of jobs expected to be in an industry or occupation in the future. |
| **Quarterly Census of Employment and Wage (QCEW)** | A federal/state cooperative program that produces employment and wage data for workers covered by state unemployment insurance laws and federal workers covered by the Unemployment Compensation for Federal Employees Program. Data is arranged by the type of industry according to the North American Industry  Classification System (NAICS). |
| **Sector** | A level of industry classification under supersector according to the NAICS structure. |
| **Standard Occupational Classification (SOC)** | A coding system used by all federal statistical agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data. |
| **Subsector** | A level of industry classification under sector according to the NAICS structure. |
| **Supersector** | The top level of industry classification according to the NAICS structure. |

**Table of Contents**

|  |  |
| --- | --- |
| Local Workforce Development Areas | 5 |
| Introduction | 6 |
| State of Arkansas Profile | 7 |
| Methodology | 8 |
| Explanation of Industry Projections Data | 10 |
| Industry Projections by Major Division | 11 |
| Industry Outlook | 12 |
| **Industry Rankings** |  |
| Top 20 Growing Industries by Numeric Change | 16 |
| Top 20 Fastest Growing Industries by Percent Change | 17 |
| Top 20 Declining Industries by Numeric Change | 18 |
| Top 20 Fastest Declining Industries by Percent Change | 19 |
| **Industry Projections** | 20 |
| Explanation of Occupational Projections Data | 29 |
| Occupational Projections by Major Group | 30 |
| Occupational Outlook | 31 |
| **Occupational Rankings** |  |
| Top 20 Growing Occupations by Numeric Change | 36 |
| Top 20 Fastest Growing Occupations by Percent Change | 37 |
| Top 20 Occupations by Annual Exits | 38 |
| Top 20 Occupations by Annual Transfers | 39 |
| Top 20 Occupations by Total Annual Openings | 40 |
| Top 20 Declining Occupations by Numeric Change | 41 |
| Top 20 Fastest Declining Occupations by Percent Change | 42 |
| **Occupational Projections** | 43 |
| Projections by Educational Level | 73 |
| Education Outlook (includes charts) | 73 |
| Hot Jobs by Educational Level | 74 |
| Projections by Amount of Work Experience | 75 |
| Work Experience Outlook (includes charts) | 75 |
| Projections by Type of On-the-Job Training | 76 |
| Training Outlook (includes charts) | 76 |
| Projections by Education Training Path | 77 |
| Appendix: Definition of Education/Training Codes | 81 |

**Local Workforce Development Areas**

**Northwest Arkansas Workforce Development Area** Baxter, Benton, Boone, Carroll, Madison, Marion, Newton, Searcy, and Washington counties



**NW**

**NE**

**NC**

**W**

**E**

**WC C**

**LR**

**SE**

**SW**

#### North Central Arkansas Workforce Development Area

Cleburne, Fulton, Independence, Izard, Jackson, Sharp, Stone, Van Buren, White, and Woodruff counties

**Northeast Arkansas Workforce Development Area** Clay, Craighead, Greene, Lawrence, Mississippi, Poinsett, and Randolph counties

#### Western Arkansas Workforce Development Area

Crawford, Franklin, Logan, Polk, Scott, and Sebastian counties

#### Central Arkansas Workforce Development Area

Faulkner, Lonoke, Monroe, Prairie, Pulaski outside the city limits of Little Rock, and Saline counties

#### City of Little Rock Workforce Development Area

Inside the city limits of Little Rock

#### Eastern Arkansas Workforce Development Area

Crittenden, Cross, Lee, Phillips, and St. Francis counties

#### West Central Arkansas Workforce Development Area

Clark, Conway, Garland, Hot Spring, Johnson, Montgomery, Perry, Pike, Pope, and Yell counties

**Southwest Arkansas Workforce Development Area** Calhoun, Columbia, Dallas, Hempstead, Howard, Lafayette, Little River, Miller, Nevada, Ouachita, Sevier,

and Union counties

#### Southeast Arkansas Workforce Development Area

Arkansas, Ashley, Bradley, Chicot, Cleveland, Desha, Drew, Grant, Jefferson, and Lincoln counties

**Introduction**

The *Arkansas Short-Term Industry and Occupational Projections* publication includes an overview of where the Arkansas labor market may be heading soon. It contains information on the growth and decline of industries and occupations.

Industries in this publication are classified by North American Industry Classification System (NAICS) codes. NAICS was created to bring consistency and comparability to the classification of industries and businesses across the United States, Canada, and Mexico.

This publication is divided into two main parts. The first part of the publication involves the industry projections. Several tables and graphs are used to show what is happening at the industry level in Arkansas. A written narrative highlights projections at the division level, as well as key industries within that division.

The second part of this publication involves occupational projections. Several tables and graphs are used to show what is happening at the occupational level in Arkansas. A written narrative highlights projections at the division level, as well as key occupations within that division. Occupations are classified by Standard Occupational Classification (SOC) codes.

Information about annual job openings is included in this publication. Based on new Bureau of Labor Statistics (BLS) methodology, job openings are classified in three categories: Occupational Exits, Occupational Transfers, and Occupational Growth. It is important to look at all these components when looking at specific occupations or occupational groups.

For each occupation, an education/training level is provided. Educational requirements are determined by the Bureau of Labor Statistics and recognize the educational attainment of most people in a particular occupation. Each occupation will have three categories: Education, Work Experience, and Training. Some businesses, however, may require a higher level of training. Some occupations may also have different grades or levels that require different levels of training. These various levels of training will not be reflected in this publication.

More projections-related information can be found on my Tableau pages. Visit [https://public.tableau.com/profile/brian.pulliam#!/](https://public.tableau.com/profile/brian.pulliam%23!/) to view tables and graphics related to business, education, and other industry and occupational outlook information. Also, some data visualizations can now be found at <https://www.discover.arkansas.gov/Industry/Industry-Outlook>. More data visualizations will be added in the coming months.

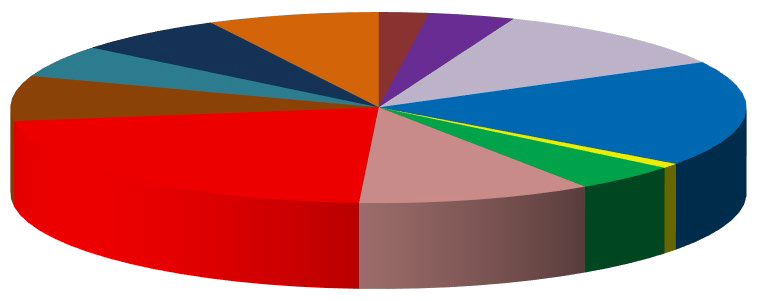
**State of Arkansas Profile**

Arkansas has 75 counties and 10 Local Workforce Development Areas. There are also six Metropolitan Statistical Areas (MSAs). The MSAs are Little Rock/North Little Rock/Conway, Fayetteville/Springdale/Rogers (which includes McDonald County in Missouri), Pine Bluff; Hot Springs, Jonesboro, and Fort Smith (which includes Leflore and Sequoyah Counties in Oklahoma). Parts of two other MSAs are in the state but are based in other states. Crittenden County is part of the Memphis/West Memphis MSA, which is based in Tennessee, and Miller County is part of the Texarkana AR/TX MSA, which is based in Texas.

Arkansas is rich in natural resources. There are many historical landmarks and state parks scattered throughout the state. This is one of the reasons Arkansas is called the Natural State.

Educational opportunities in the state of Arkansas are numerous. Prospective students have a wide range of institutions to choose from, ranging from two-year community and technical colleges to four-year universities. Students can also choose between public/state institutions and private or religious-based institutions. These schools offer a variety of programs, ranging from technical certificates and ADs to graduate degrees. Arkansas also has several small institutions that focus on specific types of careers. With all these educational opportunities, an array of occupational careers is waiting for students.

Arkansas’ population, based on State Census Data Center estimates, was 3,025,891 as of July 1, 2021, an increase of 13,659 residents from the July 1, 2020, estimate of 3,012,232. The not-seasonally adjusted average unemployment rate for first quarter 2021 was 5.2 percent, while the seasonally adjusted number was 4.8 percent. While the numbers are higher than first quarter 2020 numbers, they are significantly better than they were in second quarter 2020.



**Employment Distribution (First Quarter 2021)**

**7.56%**

**2.20%**

**3.79%**

**11.16%**

**6.67%**

**5.43%**

**7.65%**

**17.91%**

**0.81%**

**21.84%**

**10.31%**

**4.67%**

**Natural Resources and Mining**

**Construction Manufacturing**

**Trade, Transportation, and Utilities Information**

**Financial Activities**

**Professional and Business Services Education and Health Services Leisure and Hospitality**

**Other Services Government**

**Self-Employed and Unpaid Family Workers**

**Methodology**

The following is a brief overview of the methods used to produce short-term employment projections in Arkansas.

### Data Development

Data development is accomplished by using the following sources:

*The Quarterly Census of Employment and Wages (QCEW)* program*.* This source provides all the covered employment for Arkansas. A firm or business is considered covered if it meets the guidelines established under the Unemployment Insurance Law.

*The Current Employment Statistics (CES) Survey*. This source provides employment information for non-covered establishments, which are railroads, the Federal Work Study program, churches, religious-based schools, elected officials, commissioned insurance agents, as well as other establishments not reporting to the *Quarterly Census of Employment and Wages (QCEW)* program.

*Agriculture employment*. This is obtained from the Census of Agriculture. The Census of Agriculture is taken every five years in years ending in two and seven. Information from the QCEW reports is used to make estimates for years following the Census year until the next Census. Other information from the Bureau of Economic Analysis (BEA) is used to supplement agriculture employment.

*Other Non-Covered Employment.* Data on other agriculture employment, specifically NAICS 113, 114, and 115, as well as private households, are supplemented using data from the Bureau of Economic Analysis.

### Industry Projections

A monthly time series is developed at the three- and four-digit NAICS levels from the three sources listed above, with a time frame of January 1990 to March of the base year 2021. The industry projections in this publication were produced using the *Projections Suite* software, authorized by the

U.S. Department of Labor, and developed by the Utah Department of Workforce Services. The software has several components that deal with industry projections. First, it allows the analyst to choose from a list of national and state variables to determine a state leading index, which is a list of variables that, when factored together, help predict changes in the state employment figures. National economic variables are also provided. State variables are labor force data, such as civilian labor force and unemployment rate, major industry division (CES) totals, nonfarm employment, building permits, manufacturing hours, natural gas prices, air passenger data, and a composite index.

The software uses a series of statistical models to forecast employment through eight quarters. Using trend and seasonal factors, as well as business cycle patterns, a forecast is chosen based on established statistical methodology. Projections are adjusted to reflect current or near-future events in the labor market, such as closures, layoffs, openings, and expansions.

### Occupational Projections

Occupational projections are produced by merging industries and occupations together into an industry-occupational matrix. This matrix is a table showing the occupational pattern of each industry (i.e., the ratios of employment by occupation in a specific industry). The statewide matrix is based

on the Bureau of Labor Statistics’ Occupational Employment Statistics (OES) survey and uses a Standard Occupational Classification (SOC) code for each occupation. It uses the May 2020 OES semiannual survey to establish state staffing patterns and is provided through the Local Employment and Wage Information System (LEWIS). National staffing patterns are used where state patterns do not exist.

The occupational employment projections contained in this publication were created using the *Projections Suite* software, authorized by the U.S. Department of Labor, and developed by the Utah Department of Workforce Services. The software applies occupational change factors to the projected patterns to form a projected matrix. Also, using national self-employment staffing patterns, the system generates base and projected employment for self-employed workers. Patterns and projections for Unpaid Family Workers are based on Census numbers.

### Data Limitations

The projections contained in this publication are estimates based on historical data. It is important not to rely on these projections as the actual employment numbers that will occur in 2023. While every attempt is made to incorporate current and near-future events, such as business closings, corporate layoffs, openings, and expansions, it’s not possible to know everything that might happen. Events that may take place after the projection period or announcements concerning closings, layoffs, openings, and expansions known after projections were completed are not reflected in the forecasts. Also, legislative policy could cause employment to change. Events such as these will likely cause the actual employment numbers to vary significantly from these projections.

It is important to look at both numeric growth and percent growth when looking at projections. Generally, industries or occupations with small employment will have higher growth rates than those with larger employment, but these industries may only add a few employees over the projection period. When examining occupational projections, it is important to look at all types of job openings, which include growth, exits, and transfers.

Even if an occupation is in decline, it still may have openings to replace workers who leave the profession due to changing jobs or due to a person retiring or leaving the workforce for some other reason.

## EXPLANATION OF INDUSTRY PROJECTIONS DATA ARKANSAS-STATEWIDE

2021-2023

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Net Growth** | **Percent Growth** |
| Industry code according to the North American Industry Classification System (NAICS) Title and Coding Structure | Industry title according to the North American Industry Classification System (NAICS) Title and Coding Structure | An estimate of the number of jobs in an industry in 2021 | The projected number of jobs expected to be in an industry in 2023 | Total number of jobs an industry is expected to gain or lose over the 2021 to 2023 period | Percent change in the number of jobs in an industry over the 2021 to 2023 period |

### 2021-2023 Arkansas Statewide Industry Projections by Major Division

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **000000** | **TOTAL ALL INDUSTRIES** | **1,397,533** | **1,427,344** | **29,811** | **2.13%** |
| 006010 | Self Employed Workers, All Jobs | 105,680 | 105,590 | -90 | -0.09% |
| **101000** | **Goods Producing** | **239,733** | **244,913** | **5,180** | **2.16%** |
| **101100** | **NATURAL RESOURCES AND MINING** | **30,779** | **31,699** | **920** | **2.99%** |
| 110000 | Agriculture, Forestry, Fishing and Hunting | 27,509 | 28,605 | 1,096 | 3.98% |
| 210000 | Mining | 3,270 | 3,094 | -176 | -5.38% |
| **101200** | **CONSTRUCTION** | **52,978** | **54,022** | **1,044** | **1.97%** |
| **101300** | **MANUFACTURING** | **155,976** | **159,192** | **3,216** | **2.06%** |
|  | **Non-Durable Goods Manufacturing** | **82,274** | **83,265** | **991** | **1.20%** |
|  | **Durable Goods Manufacturing** | **73,702** | **75,927** | **2,225** | **3.02%** |
| **102000** | **Services Providing** | **1,052,120** | **1,076,841** | **24,721** | **2.35%** |
| **102100** | **TRADE, TRANSPORTATION, AND UTILITIES** | **250,243** | **256,909** | **6,666** | **2.66%** |
| 420000 | Wholesale Trade | 46,650 | 47,566 | 916 | 1.96% |
| 440000 | Retail Trade | 136,882 | 140,414 | 3,532 | 2.58% |
| 480000 | Transportation and Warehousing | 58,905 | 61,300 | 2,395 | 4.07% |
| 220000 | Utilities | 7,806 | 7,629 | -177 | -2.27% |
| **102200** | **INFORMATION** | **11,288** | **11,171** | **-117** | **-1.04%** |
| **102300** | **FINANCIAL ACTIVITIES** | **65,266** | **67,749** | **2,483** | **3.80%** |
| 520000 | Finance and Insurance | 51,597 | 54,016 | 2,419 | 4.69% |
| 530000 | Real Estate and Rental and Leasing | 13,669 | 13,733 | 64 | 0.47% |
| **102400** | **PROFESSIONAL AND BUSINESS SERVICES** | **144,126** | **150,638** | **6,512** | **4.52%** |
| 540000 | Professional, Scientific, and Technical Services | 43,782 | 45,248 | 1,466 | 3.35% |
| 550000 | Management of Companies and Enterprises | 34,312 | 36,033 | 1,721 | 5.02% |
| 560000 | Administrative and Support and Waste Management and Remediation Services | 66,032 | 69,357 | 3,325 | 5.04% |
| **102500** | **EDUCATION AND HEALTH SERVICES** | **305,184** | **306,398** | **1,214** | **0.40%** |
| 610000 | Educational Services | 111,826 | 109,588 | -2,238 | -2.00% |
| 620000 | Health Care and Social Assistance | 193,358 | 196,810 | 3,452 | 1.79% |
| **102600** | **LEISURE AND HOSPITALITY** | **106,884** | **109,584** | **2,700** | **2.53%** |
| 710000 | Arts, Entertainment, and Recreation | 9,807 | 10,468 | 661 | 6.74% |
| 720000 | Accommodation and Food Services | 97,077 | 99,116 | 2,039 | 2.10% |
| **102700** | **OTHER SERVICES (EXCEPT GOVERNMENT)** | **75,861** | **80,545** | **4,684** | **6.17%** |
| **102800** | **GOVERNMENT** | **93,268** | **93,847** | **579** | **0.62%** |

**Industry Outlook**

Between first and second quarter 2020, Arkansas covered employment lost 83,295 jobs, a 6.84 percent drop. By first quarter 2021, covered employment had reached 97.47 percent of pre-pandemic levels. Considering covered, non-covered, and self-employment, Arkansas is expected to increase by 29,811 jobs, a 2.13 percent increase, which is considered by some economists as a strong economy. Goods-Producing industries are slated to raise employment levels by 5,180 jobs, or 2.16 percent, while Services-Providing industries could experience a job growth of 24,721 or 2.35 percent increase. Self Employed Workers, All Jobs is slated to see a small drop of 90 jobs, a drop of less than one-tenth of one percent.

### Natural Resources and Mining

The **Natural Resources and Mining** supersector was generally not impacted by the pandemic, gaining 320 covered employment jobs between first and second quarter 2020, an increase of 2.05 percent. The industry group, however, has lost 2.07 percent, since first quarter 2020. Based on data from the Bureau of Economic Analysis, **Natural Resources and Mining** could see an increase of 920 jobs, or an increase of 2.99 percent by 2023. The **Agriculture, Forestry, Fishing, and Hunting** sector is estimated to gain 1,096 jobs. The **Mining** sector, however, could see a less favorable outlook, losing 176 jobs, or 5.38 percent of its workforce. *Support Activities for Mining* could be among the top 5 fastest declining industries in the state, losing 16.59 percent of its workforce.

### Construction

**Construction** was generally not impacted by the pandemic, gaining 407 jobs between first and second quarter 2020, a 0.78 percent increase. The industry group gained 768 jobs since first quarter 2020. **Construction** is expected to raise employment by 1.97 percent or 1,044 jobs by first quarter 2023. Land Subdivision is slated to cut

19.79 percent of its workforce, or 19 jobs, becoming the second fastest declining industry in the state. Among **Construction** subsectors, *Construction of Buildings* could see the toughest outlook, losing 521 jobs since second quarter 2020 and expected to lose another 60 during the 2021-2023 projection cycle.

### Manufacturing

The **Manufacturing** supersector lost 9,756 jobs during the second quarter of 2020, a 6.07 percent drop. By first quarter of 2021, it reached almost 97 percent of pre-pandemic employment, roughly gaining slightly more than half of the lost jobs. During this projection period, **Manufacturing** is expected to add 3,216 jobs, an increase of

2.06 percent. **Non-Durable Goods Manufacturing** is estimated to gain 991 jobs, an increase of 1.20 percent. The group lost 3,982 jobs during the pandemic. *Food Manufacturing* could see the brightest outlook, with a gain of 456. Animal Food Manufacturing is estimated to be the third fastest growing industry in the state with a 20.91 percent growth. On the flip side, Animal Slaughtering and Processing is slated to rank eighth in numeric decline, with an anticipated loss of 244 jobs. Converted Paper Product Manufacturing rounds out the top 10 of the Top 20 Declining Industries list. Apparel Knitting Mills is predicted to be seventh in percent decline, losing 7.94 percent of its workforce.

**Durable Goods Manufacturing** is projected to experience a gain of 2,225, an increase of 3.02 percent. The industry group lost 5,772 jobs during the pandemic. *Fabricated Metal Product Manufacturing* may have the brightest outlook, with a projected gain of 588 new jobs during the projection period. Household Appliance Manufacturing may be the second fastest growing industry, increasing its workforce by 23.08 percent, while Foundries could increase by 16.32 percent, the sixth fastest in the state. On the negative side of the labor market, Electric Equipment Manufacturing is anticipated to be the fastest declining industry in the state, cutting 31.27 percent of its workforce.

### Trade, Transportation, and Utilities

The **Trade, Transportation, and Utilities** supersector lost 10,637 jobs between first and second quarter 2020. By first quarter 2021, the supersector had gained almost all of that back, all but 524 jobs.

**Trade, Transportation, and Utilities** is estimated to gain 6.666 jobs, a 2.66 percent rise in jobs becoming the top growing supersector.

**Wholesale Trade** is forecasted to experience a gain of 916 jobs, a 1.96 percent increase. The industry sector lost 1,467 jobs during the pandemic and has since recovered 98.89 percent of pre-pandemic employment. Merchant Wholesalers, Durable Goods is slated to fare better than Merchant Wholesalers, Nondurable Goods with 611 new jobs for Merchant Wholesalers, Durable Goods compared to 234 for Merchant Wholesalers, Nondurable Goods.

The **Retail Trade** sector lost 6,004 jobs between first and second quarter 2020. The sector has since fully recovered those lost jobs and added 1,666 jobs. During the 2021-2023 projections cycle, **Retail Trade** is estimated to gain 3.532 jobs, an increase of 2.58 percent.

*Food and Beverage Stores* is slated to add 1,134 jobs during the projection period, placing it seventh in numeric growth. Electronic Shopping and Mail Order Houses could be among the ten fastest growing industries, adding 12.18 percent to its workforce. On the negative side of the economy, Electronics and Appliance Stores is forecast to lose 109 jobs, or 3.55 percent of its workforce, while the *Clothing and Clothing Accessories Stores* subsector could cut 105 jobs, 1.68 percent of its workforce.

The **Transportation and Warehousing** sector lost 3,166 jobs during the pandemic, or 2.34 percent of its workforce. As of first quarter 2021, the sector has recovered to 97.1 percent of pre-pandemic employment. Transportation and Warehousing could see an increase of 2,395 jobs, an increase of 4.07 percent. Driving the growth is *Warehousing and Storage,* which is projected to be the fourth highest growing industry with 1,804 new jobs, and fifth in percent growth with an 18.92 percent increase. On the reverse side of the labor market, School and Employee Bus Transportation could lose 8.47 percent,

while Other Transit and Ground Passenger Transportation could see a loss of 7.31 percent, each making the top 10 of the Top 20 Fastest Declining Industries list. Overall, the *Transit and Ground Passenger Transportation* subsector could experience a net loss of 101 jobs during the projection period, or 7.57 percent of its workforce.

The **Utilities** sector was stable during the pandemic but has lost about 33 jobs since first quarter 2020. The industry is predicted to continue its downward trend with a job loss of 177, or 2.27 percent of its workforce. Electric Power Generation, Transmission and Distribution is predicted to lose 155 jobs, or 2.63 percent of its workforce, while Natural Gas Distribution is slated to lose 27 jobs, or

2.79 percent of its own workforce. Water, Sewage and Other Systems may be the only bright spot, although small, adding five new jobs, or

0.53 percent to its payroll.

### Information

The **Information** supersector lost 1,101 jobs between first and second quarter 2020. The industry group has experienced slow recovery, gaining only 55 jobs to first quarter 2021. The **Information** supersector is forecasted to lose 117 jobs, or 1.04 percent during the 2021-2023 projection cycle. During the pandemic, Motion Picture and Video Industries lost over 62 percent of its workforce but is expected to be the fastest growing industry in the state, adding 117 jobs, a 23.40 percent increase, but still well below pre-pandemic levels. Software Publishers is predicted to be the fourth fastest growing industry at

19.28 percent. On the negative side of the labor market, Newspaper, Periodical, Book, and Directory Publishers is slated to have the toughest outlook in the supersector, cutting 310 jobs, or 18.50 percent of its workforce

### Financial Activities

The **Financial Activities** supersector lost 671 jobs between first and second quarter 2020. By first quarter 2021, the industry had recovered all but 98 of those jobs back. **Financial Activities** is estimated to

increase by 2,483 or 3.80 percent during the projection period. Most of those jobs come in the **Finance and Insurance** sector, which is slated to grow by 2,419 jobs. The **Real Estate and Rental and Leasing** sector is predicted to add 64 jobs to its workforce. The sector lost 443 jobs during the pandemic and has recovered most of the pre- pandemic employment by first quarter 2021. Insurance Carriers is forecast to be the top growing industry in the state and among the top 10 fastest growing, adding 2,828 new jobs, or a 13.82 percent increase. On the negative side of the job market, Agencies, Brokerages, and Other Insurance Related Activities is estimated to be fourth in numeric decline, losing 312 jobs, while *Rental and Leasing Services* is slated to be ninth in numeric and percent decline, cutting 223 jobs, or 6.40 percent of its workforce.

### Professional and Business Services

The **Professional and Business Services** supersector lost 12,223 jobs between first and second quarter 2020. By first quarter 2021, the supersector had recovered 99.41 percent of pre-pandemic employment. Between first quarter 2021 and first quarter 2023, **Professional and Business Services** is estimated to gain 6,512 new jobs, a 4.52 percent gain. The **Professional, Scientific, and Technical Services** sector is slated to add 1,466 new jobs, or an additional 3.35 percent.

Management, Scientific, and Technical Consulting Services is slated to add 374 jobs.

**Management of Companies and Enterprises** could increase employment by 1,721 jobs, placing fifth in the Top 20 Growing Industries list. The sector lost 864 jobs during the pandemic but has since fully recovered.

The **Administrative and Support and Waste Management and Remediation Services** sector lost the most jobs among **Professional Business Services,** cutting 9,304 jobs, or 13.97 percent of the workforce during the pandemic. However, the sector has regained all but 582 jobs by first quarter 2021. The sector is expected to add 3,325 new jobs, an increase of 5.04 percent. Employment Services is

projected to gain 2,134 jobs, a 5.51 percent gain, placing as the third highest growing industry. Investigation and Security Services is slated to see a loss of 119 jobs.

### Education and Health Services

**Education and Health Services** lost 19,877 jobs between first and second quarter 2020, some of which is the seasonal nature of parts of this industry group. By first quarter 2021, the supersector had recovered to 96.37 percent of pre-pandemic levels. **Education and Health Services** is estimated to have a slow growth during the 2021- 2023 projection period, gaining only 0.40 percent, or 1,214 new jobs. The **Educational Services** sector is estimated to struggle during the projection period with a loss of about two percent of its workforce.

The sector lost 6,849 jobs during the pandemic but has only recovered less than half that by first quarter 2021. Elementary and Secondary Schools could lead the state in numeric decline, losing 1,872 jobs.

Junior Colleges and Colleges, Universities, and Professional Schools also are among the ten largest declining industries, with estimated losses of 303 and 300 jobs respectively.

The **Healthcare and Social Assistance** sector is slated to gain 3,452 new jobs during the projection period, a 1.79 percent gain. The outlook, however, is mixed. The sector lost 13,028 jobs during the pandemic and has since recovered to 96.47 percent of pre-pandemic levels. Most of the gain is estimated to occur in *Ambulatory Health Care Services*, gaining 2,074 new jobs. This industry subsector has since fully recovered from its pandemic employment loss of 4,797 jobs. Offices of Physicians is set be among the ten highest growing industries, adding 686 new jobs to its workforce. On the negative side of the job market, Individual and Family Services could see a drop of 421 jobs, placing second in numeric decline.

### Leisure and Hospitality

The **Leisure and Hospitality** supersector was the hardest hit by the pandemic. The industry group lost 27,949 jobs as restrictions were placed heavily on this supersector. Since first quarter 2021, the industry supersector has recovered to 89.8 percent of pre-pandemic levels. **Leisure and Hospitality** is forecast to increase by 2,700, a growth of 2.53 percent. The **Arts, Entertainment, and Recreation** sector is slated to gain 661 jobs between 2021 and 2023, or a 6.74 percent gain, becoming the fastest growing industry sector. The sector lost 3,007 jobs between first and second quarter 2020. One downside to this sector could come in Performing Arts Companies, which is predicted to cut 8.47 percent of its workforce, sixth fastest in the state.

**Accommodation and Food Services** is projected to see a gain of 2,039 jobs, an increase of 2.10 percent. The sector experienced the worst loss of jobs during the pandemic with 24,942 jobs being lost.

By first quarter of 2021, the sector had only recovered to 90.33 percent of pre-pandemic levels and by first quarter 2023, will still be well short of employment levels before the pandemic. Restaurants and Other Eating Places is anticipated to gain 1,480 new jobs, or 1.77 percent, placing sixth in the Top 20 Growing Industries list. The industry lost 18,567 jobs and recovered 64.55 percent by first quarter 2021.

### Other Services (Except Government)

The **Other Services (Except Government)** supersector lost 2,389 jobs between first and second quarter 2020. The industry group recovered 97.54 percent of pre-pandemic employment levels by first quarter 2021. **Other Services (Except Government)** is projected to gain 4,684 jobs between 2021 and 2023, an increase of 6.17 percent. The outlook is, however, mixed. *Religious, Grantmaking, Civic, Professional, and Similar Organizations* is estimated to gain 4,506 new jobs, as an increase in non-covered employment has driven this subsector. Covered employment has not fared as well as job gains since the second quarter of the pandemic has only amounted to 17 new

jobs. Religious Organizations is predicted to be second in the state in numeric growth, adding an estimated 2,481 jobs. Two other industries, Grantmaking and Giving Services and Social Advocacy Organizations, made the top 10 in both the Top 20 Growing Industries list as well as the Top 20 Fastest growing Industries lists. On the negative side of the labor market, Private Households could see a loss of 392 jobs, or 6.03 percent of its workforce, placing as the third largest projected declining industry and among the ten fastest declining.

### Government

Government employers grew during the pandemic second quarter 2020, gaining 581 jobs. However, between first quarter 2020 and first quarter 2021, the supersector lost 342 jobs, a 0.37 percent decline.

The **Government** supersector is expected to recover, adding 579 jobs between 2021 and 2023. All three levels of government are anticipating gains with Local Government, Excluding Education and Hospitals estimating the brightest outlook, with 383 job gains, and Postal Service experiencing a 1.55 percent reduction, or 85 jobs lost.

## Top 20 Growing Industries by Numeric Change

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **524100** | Insurance Carriers | 20,464 | 23,292 | **2,828** | 13.82% |
| **813100** | Religious Organizations | 32,492 | 34,973 | **2,481** | 7.64% |
| **561300** | Employment Services | 27,576 | 29,710 | **2,134** | 7.74% |
| **493000** | Warehousing and Storage | 9,536 | 11,340 | **1,804** | 18.92% |
| **551000** | Management of Companies and Enterprises | 34,312 | 36,033 | **1,721** | 5.02% |
| **722500** | Restaurants and Other Eating Places | 83,495 | 84,975 | **1,480** | 1.77% |
| **445000** | Food and Beverage Stores | 20,588 | 21,722 | **1,134** | 5.51% |
| **813200** | Grantmaking and Giving Services | 5,144 | 5,983 | **839** | 16.31% |
| **813300** | Social Advocacy Organizations | 5,328 | 6,023 | **695** | 13.04% |
| **621100** | Offices of Physicians | 26,475 | 27,161 | **686** | 2.59% |
| **238200** | Building Equipment Contractors | 19,439 | 20,104 | **665** | 3.42% |
| **484000** | Truck Transportation | 31,152 | 31,802 | **650** | 2.09% |
| **452000** | General Merchandise Stores | 37,932 | 38,560 | **628** | 1.66% |
| **444100** | Building Material and Supplies Dealers | 10,745 | 11,372 | **627** | 5.84% |
| **423000** | Merchant Wholesalers, Durable Goods | 24,451 | 25,062 | **611** | 2.50% |
| **561400** | Business Support Services | 8,990 | 9,590 | **600** | 6.67% |
| **332000** | Fabricated Metal Product Manufacturing | 14,639 | 15,227 | **588** | 4.02% |
| **111000** | Crop Production | 9,960 | 10,536 | **576** | 5.78% |
| **621300** | Offices of Other Health Practitioners | 9,921 | 10,467 | **546** | 5.50% |
| **624400** | Child Day Care Services | 10,132 | 10,674 | **542** | 5.35% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **512100** | Motion Picture and Video Industries | 500 | 617 | 117 | **23.40%** |
| **335200** | Household Appliance Manufacturing | 78 | 96 | 18 | **23.08%** |
| **311100** | Animal Food Manufacturing | 1,956 | 2,365 | 409 | **20.91%** |
| **511200** | Software Publishers | 415 | 495 | 80 | **19.28%** |
| **493000** | Warehousing and Storage | 9,536 | 11,340 | 1,804 | **18.92%** |
| **331500** | Foundries | 1,330 | 1,547 | 217 | **16.32%** |
| **813200** | Grantmaking and Giving Services | 5,144 | 5,983 | 839 | **16.31%** |
| **524100** | Insurance Carriers | 20,464 | 23,292 | 2,828 | **13.82%** |
| **813300** | Social Advocacy Organizations | 5,328 | 6,023 | 695 | **13.04%** |
| **454100** | Electronic Shopping and Mail Order Houses | 1,092 | 1,225 | 133 | **12.18%** |
| **711200** | Spectator Sports | 1,443 | 1,600 | 157 | **10.88%** |
| **711300** | Promoters of Performing Arts, Sports, and Similar Events | 223 | 247 | 24 | **10.76%** |
| **336600** | Ship and Boat Building | 2,010 | 2,226 | 216 | **10.75%** |
| **721300** | Rooming and Boarding Houses | 94 | 104 | 10 | **10.64%** |
| **812100** | Personal Care Services | 2,636 | 2,882 | 246 | **9.33%** |
| **611600** | Other Schools and Instruction | 1,746 | 1,906 | 160 | **9.16%** |
| **622300** | Specialty (except Psychiatric and Substance Abuse) Hospitals | 5,889 | 6,426 | 537 | **9.12%** |
| **561300** | Employment Services | 27,576 | 29,710 | 2,134 | **7.74%** |
| **813100** | Religious Organizations | 32,492 | 34,973 | 2,481 | **7.64%** |
| **813900** | Business, Professional, Labor, Political, and Similar Organizations | 6,946 | 7,450 | 504 | **7.26%** |

Top 20 Declining Industries by Numeric Change

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **611100** | Elementary and Secondary Schools | 75,878 | 74,006 | **-1,872** | -2.47% |
| **624100** | Individual and Family Services | 23,051 | 22,630 | **-421** | -1.83% |
| **814000** | Private Households | 6,502 | 6,110 | **-392** | -6.03% |
| **524200** | Agencies, Brokerages, and Other Insurance Related Activities | 8,402 | 8,090 | **-312** | -3.71% |
| **511100** | Newspaper, Periodical, Book, and Directory Publishers | 1,676 | 1,366 | **-310** | -18.50% |
| **611200** | Junior Colleges | 6,518 | 6,215 | **-303** | -4.65% |
| **611300** | Colleges, Universities, and Professional Schools | 25,794 | 25,494 | **-300** | -1.16% |
| **311600** | Animal Slaughtering and Processing | 33,197 | 32,953 | **-244** | -0.74% |
| **532000** | Rental and Leasing Services | 3,485 | 3,262 | **-223** | -6.40% |
| **322200** | Converted Paper Product Manufacturing | 5,514 | 5,319 | **-195** | -3.54% |
| **213000** | Support Activities for Mining | 1,031 | 860 | **-171** | -16.59% |
| **623100** | Nursing Care Facilities (Skilled Nursing Facilities) | 19,461 | 19,296 | **-165** | -0.85% |
| **236200** | Nonresidential Building Construction | 6,731 | 6,568 | **-163** | -2.42% |
| **221100** | Electric Power Generation, Transmission and Distribution | 5,894 | 5,739 | **-155** | -2.63% |
| **561600** | Investigation and Security Services | 4,871 | 4,752 | **-119** | -2.44% |
| **443000** | Electronics and Appliance Stores | 3,067 | 2,958 | **-109** | -3.55% |
| **522000** | Credit Intermediation and Related Activities | 19,591 | 19,495 | **-96** | -0.49% |
| **491100** | Postal Service | 5,499 | 5,414 | **-85** | -1.55% |
| **335100** | Electric Lighting Equipment Manufacturing | 259 | 178 | **-81** | -31.27% |
| **812300** | Drycleaning and Laundry Services | 1,776 | 1,713 | **-63** | -3.55% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **335100** | Electric Lighting Equipment Manufacturing | 259 | 178 | -81 | **-31.27%** |
| **237200** | Land Subdivision | 96 | 77 | -19 | **-19.79%** |
| **511100** | Newspaper, Periodical, Book, and Directory Publishers | 1,676 | 1,366 | -310 | **-18.50%** |
| **485400** | School and Employee Bus Transportation | 295 | 244 | -51 | **-17.29%** |
| **213000** | Support Activities for Mining | 1,031 | 860 | -171 | **-16.59%** |
| **711100** | Performing Arts Companies | 248 | 227 | -21 | **-8.47%** |
| **315100** | Apparel Knitting Mills | 378 | 348 | -30 | **-7.94%** |
| **485900** | Other Transit and Ground Passenger Transportation | 657 | 609 | -48 | **-7.31%** |
| **532000** | Rental and Leasing Services | 3,485 | 3,262 | -223 | **-6.40%** |
| **814000** | Private Households | 6,502 | 6,110 | -392 | **-6.03%** |
| **211000** | Oil and Gas Extraction | 432 | 408 | -24 | **-5.56%** |
| **316200** | Footwear Manufacturing | 744 | 703 | -41 | **-5.51%** |
| **488100** | Support Activities for Air Transportation | 1,073 | 1,015 | -58 | **-5.41%** |
| **454300** | Direct Selling Establishments | 715 | 677 | -38 | **-5.31%** |
| **561900** | Other Support Services | 1,175 | 1,114 | -61 | **-5.19%** |
| **448300** | Jewelry, Luggage, and Leather Goods Stores | 564 | 535 | -29 | **-5.14%** |
| **331400** | Nonferrous Metal (except Aluminum) Production and Processing | 243 | 231 | -12 | **-4.94%** |
| **451200** | Book, Periodical, and Music Stores | 375 | 357 | -18 | **-4.80%** |
| **611200** | Junior Colleges | 6,518 | 6,215 | -303 | **-4.65%** |
| **561500** | Travel Arrangement and Reservation Services | 204 | 195 | -9 | **-4.41%** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **000000** | **TOTAL ALL INDUSTRIES** | **1,397,533** | **1,427,344** | **29,811** | **2.13%** |
|  |  |  |  |  |  |
| **000671** | **Total Self Employed and Unpaid Family Workers, All Jobs** | **105,680** | **105,590** | **-90** | **-0.09%** |
|  |  |  |  |  |  |
| **101000** | **Goods Producing** | **239,733** | **244,913** | **5,180** | **2.16%** |
|  |  |  |  |  |  |
| **101100** | **NATURAL RESOURCES AND MINING** | **30,779** | **31,699** | **920** | **2.99%** |
|  |  |  |  |  |  |
| ***110000*** | ***Agriculture, Forestry, Fishing and Hunting*** | ***27,509*** | ***28,605*** | ***1,096*** | ***3.98%*** |
| ***111000*** | *Crop Production* | *9,960* | *10,536* | *576* | *5.78%* |
| ***112000*** | *Animal Production* | *9,524* | *10,059* | *535* | *5.62%* |
| ***115000*** | *Support Activities for Agriculture and Forestry* | *5,731* | *5,748* | *17* | *0.30%* |
|  |  |  |  |  |  |
| ***210000*** | ***Mining*** | ***3,270*** | ***3,094*** | ***-176*** | ***-5.38%*** |
| ***211000*** | *Oil and Gas Extraction* | *432* | *408* | *-24* | *-5.56%* |
| ***212000*** | *Mining (except Oil and Gas)* | *1,807* | *1,826* | *19* | *1.05%* |
| ***213000*** | *Support Activities for Mining* | *1,031* | *860* | *-171* | *-16.59%* |
|  |  |  |  |  |  |
| **101200** | **CONSTRUCTION** | **52,978** | **54,022** | **1,044** | **1.97%** |
|  |  |  |  |  |  |
| ***236000*** | *Construction of Buildings* | *10,583* | *10,523* | *-60* | *-0.57%* |
| **236100** | Residential Building Construction | 3,852 | 3,955 | 103 | 2.67% |
| **236200** | Nonresidential Building Construction | 6,731 | 6,568 | -163 | -2.42% |
| ***237000*** | *Heavy and Civil Engineering Construction* | *8,330* | *8,531* | *201* | *2.41%* |
| **237100** | Utility System Construction | 4,467 | 4,551 | 84 | 1.88% |
| **237200** | Land Subdivision | 96 | 77 | -19 | -19.79% |
| **237300** | Highway, Street, and Bridge Construction | 2,972 | 3,085 | 113 | 3.80% |
| **237900** | Other Heavy and Civil Engineering Construction | 795 | 818 | 23 | 2.89% |
| ***238000*** | *Specialty Trade Contractors* | *34,065* | *34,968* | *903* | *2.65%* |
| **238100** | Foundation, Structure, and Building Exterior Contractors | 5,753 | 5,786 | 33 | 0.57% |
| **238200** | Building Equipment Contractors | 19,439 | 20,104 | 665 | 3.42% |
| **238300** | Building Finishing Contractors | 3,759 | 3,814 | 55 | 1.46% |
| **238900** | Other Specialty Trade Contractors | 5,114 | 5,264 | 150 | 2.93% |
|  |  |  |  |  |  |
| **101300** | **MANUFACTURING** | **155,976** | **159,192** | **3,216** | **2.06%** |
|  |  |  |  |  |  |
|  | **Non-Durable Goods Manufacturing** | **82,274** | **83,265** | **991** | **1.20%** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| ***311000*** | *Food Manufacturing* | *49,487* | *49,943* | *456* | *0.92%* |
| **311100** | Animal Food Manufacturing | 1,956 | 2,365 | 409 | 20.91% |
| **311200** | Grain and Oilseed Milling | 2,788 | 2,830 | 42 | 1.51% |
| **311400** | Fruit and Vegetable Preserving and Specialty Food Manufacturing | 4,462 | 4,525 | 63 | 1.41% |
| **311500** | Dairy Product Manufacturing | 595 | 610 | 15 | 2.52% |
| **311600** | Animal Slaughtering and Processing | 33,197 | 32,953 | -244 | -0.74% |
| **311800** | Bakeries and Tortilla Manufacturing | 4,047 | 4,227 | 180 | 4.45% |
| **311900** | Other Food Manufacturing | 2,413 | 2,410 | -3 | -0.12% |
| ***312000*** | *Beverage and Tobacco Product Manufacturing* | *1,475* | *1,532* | *57* | *3.86%* |
| ***313000*** | *Textile Mills* | *128* | *132* | *4* | *3.13%* |
| ***314000*** | *Textile Product Mills* | *754* | *741* | *-13* | *-1.72%* |
| **314100** | Textile Furnishings Mills | 19 | 19 | 0 | 0.00% |
| **314900** | Other Textile Product Mills | 735 | 722 | -13 | -1.77% |
| ***315000*** | *Apparel Manufacturing* | *663* | *662* | *-1* | *-0.15%* |
| **315100** | Apparel Knitting Mills | 378 | 348 | -30 | -7.94% |
| ***316000*** | *Leather and Allied Product Manufacturing* | *951* | *909* | *-42* | *-4.42%* |
| **316200** | Footwear Manufacturing | 744 | 703 | -41 | -5.51% |
| **316900** | Other Leather and Allied Product Manufacturing | 207 | 206 | -1 | -0.48% |
| ***322000*** | *Paper Manufacturing* | *8,701* | *8,483* | *-218* | *-2.51%* |
| **322100** | Pulp, Paper, and Paperboard Mills | 3,187 | 3,164 | -23 | -0.72% |
| **322200** | Converted Paper Product Manufacturing | 5,514 | 5,319 | -195 | -3.54% |
| ***323000*** | *Printing and Related Support Activities* | *2,982* | *3,097* | *115* | *3.86%* |
| ***324000*** | *Petroleum and Coal Products Manufacturing* | *1,127* | *1,165* | *38* | *3.37%* |
| ***325000*** | *Chemical Manufacturing* | *5,445* | *5,718* | *273* | *5.01%* |
| ***326000*** | *Plastics and Rubber Products Manufacturing* | *10,561* | *10,883* | *322* | *3.05%* |
| **326100** | Plastics Product Manufacturing | 6,423 | 6,549 | 126 | 1.96% |
| **326200** | Rubber Product Manufacturing | 4,138 | 4,334 | 196 | 4.74% |
|  |  |  |  |  |  |
|  | **Durable Goods Manufacturing** | **73,702** | **75,927** | **2,225** | **3.02%** |
|  |  |  |  |  |  |
| ***321000*** | *Wood Product Manufacturing* | *9,758* | *10,007* | *249* | *2.55%* |
| **321100** | Sawmills and Wood Preservation | 4,574 | 4,583 | 9 | 0.20% |
| **321200** | Veneer, Plywood, and Engineered Wood Product Manufacturing | 2,032 | 2,053 | 21 | 1.03% |
| **321900** | Other Wood Product Manufacturing | 3,152 | 3,371 | 219 | 6.95% |
| ***327000*** | *Nonmetallic Mineral Product Manufacturing* | *3,499* | *3,462* | *-37* | *-1.06%* |
| ***331000*** | *Primary Metal Manufacturing* | *7,759* | *8,232* | *473* | *6.10%* |
| **331100** | Iron and Steel Mills and Ferroalloy Manufacturing | 3,617 | 3,770 | 153 | 4.23% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **331200** | Steel Product Manufacturing from Purchased Steel | 1,682 | 1,787 | 105 | 6.24% |
| **331300** | Alumina and Aluminum Production | 887 | 897 | 10 | 1.13% |
| **331400** | Nonferrous Metal (except Aluminum) Production and Processing | 243 | 231 | -12 | -4.94% |
| **331500** | Foundries | 1,330 | 1,547 | 217 | 16.32% |
| ***332000*** | *Fabricated Metal Product Manufacturing* | *14,639* | *15,227* | *588* | *4.02%* |
| ***333000*** | *Machinery Manufacturing* | *11,090* | *11,296* | *206* | *1.86%* |
| ***334000*** | *Computer and Electronic Product Manufacturing* | *1,738* | *1,799* | *61* | *3.51%* |
| **334400** | Semiconductor and Other Electronic Component Manufacturing | 1,272 | 1,339 | 67 | 5.27% |
| **334500** | Navigational, Measuring, Electromedical, and Control Instruments Manufacturing | 303 | 298 | -5 | -1.65% |
| ***335000*** | *Electrical Equipment, Appliance, and Component Manufacturing* | *4,165* | *4,046* | *-119* | *-2.86%* |
| **335100** | Electric Lighting Equipment Manufacturing | 259 | 178 | -81 | -31.27% |
| **335200** | Household Appliance Manufacturing | 78 | 96 | 18 | 23.08% |
| **335300** | Electrical Equipment Manufacturing | 2,622 | 2,599 | -23 | -0.88% |
| **335900** | Other Electrical Equipment and Component Manufacturing | 1,206 | 1,173 | -33 | -2.74% |
| ***336000*** | *Transportation Equipment Manufacturing* | *14,086* | *14,855* | *769* | *5.46%* |
| **336200** | Motor Vehicle Body and Trailer Manufacturing | 2,061 | 2,135 | 74 | 3.59% |
| **336300** | Motor Vehicle Parts Manufacturing | 4,757 | 4,822 | 65 | 1.37% |
| **336400** | Aerospace Product and Parts Manufacturing | 4,071 | 4,285 | 214 | 5.26% |
| **336600** | Ship and Boat Building | 2,010 | 2,226 | 216 | 10.75% |
| ***337000*** | *Furniture and Related Product Manufacturing* | *3,435* | *3,391* | *-44* | *-1.28%* |
| ***339000*** | *Miscellaneous Manufacturing* | *3,533* | *3,612* | *79* | *2.24%* |
| **339100** | Medical Equipment and Supplies Manufacturing | 1,747 | 1,768 | 21 | 1.20% |
| **339900** | Other Miscellaneous Manufacturing | 1,786 | 1,844 | 58 | 3.25% |
|  |  |  |  |  |  |
| **102000** | **Services Providing** | **1,052,120** | **1,076,841** | **24,721** | **2.35%** |
|  |  |  |  |  |  |
| **102100** | **TRADE, TRANSPORTATION, AND UTILITIES** | **250,243** | **256,909** | **6,666** | **2.66%** |
|  |  |  |  |  |  |
| ***420000*** | ***Wholesale Trade*** | ***46,650*** | ***47,566*** | ***916*** | ***1.96%*** |
| ***423000*** | *Merchant Wholesalers, Durable Goods* | *24,451* | *25,062* | *611* | *2.50%* |
| ***424000*** | *Merchant Wholesalers, Nondurable Goods* | *17,917* | *18,151* | *234* | *1.31%* |
| ***425000*** | *Wholesale Electronic Markets and Agents and Brokers* | *4,282* | *4,353* | *71* | *1.66%* |
|  |  |  |  |  |  |
| ***440000*** | ***Retail Trade*** | ***136,882*** | ***140,414*** | ***3,532*** | ***2.58%*** |
| ***441000*** | *Motor Vehicle and Parts Dealers* | *18,678* | *18,826* | *148* | *0.79%* |
| **441100** | Automobile Dealers | 11,265 | 11,371 | 106 | 0.94% |
| **441200** | Other Motor Vehicle Dealers | 1,704 | 1,753 | 49 | 2.88% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **441300** | Automotive Parts, Accessories, and Tire Stores | 5,709 | 5,702 | -7 | -0.12% |
| ***442000*** | *Furniture and Home Furnishings Stores* | *3,358* | *3,436* | *78* | *2.32%* |
| **442100** | Furniture Stores | 1,879 | 1,885 | 6 | 0.32% |
| **442200** | Home Furnishings Stores | 1,479 | 1,551 | 72 | 4.87% |
| ***443000*** | *Electronics and Appliance Stores* | *3,067* | *2,958* | *-109* | *-3.55%* |
| ***444000*** | *Building Material and Garden Equipment and Supplies Dealers* | *12,885* | *13,602* | *717* | *5.56%* |
| **444100** | Building Material and Supplies Dealers | 10,745 | 11,372 | 627 | 5.84% |
| **444200** | Lawn and Garden Equipment and Supplies Stores | 2,140 | 2,230 | 90 | 4.21% |
| ***445000*** | *Food and Beverage Stores* | *20,588* | *21,722* | *1,134* | *5.51%* |
| ***446000*** | *Health and Personal Care Stores* | *8,584* | *8,843* | *259* | *3.02%* |
| ***447000*** | *Gasoline Stations* | *12,329* | *12,854* | *525* | *4.26%* |
| ***448000*** | *Clothing and Clothing Accessories Stores* | *6,262* | *6,157* | *-105* | *-1.68%* |
| **448100** | Clothing Stores | 4,837 | 4,788 | -49 | -1.01% |
| **448200** | Shoe Stores | 861 | 834 | -27 | -3.14% |
| **448300** | Jewelry, Luggage, and Leather Goods Stores | 564 | 535 | -29 | -5.14% |
| ***451000*** | *Sporting Goods, Hobby, Book, and Music Stores* | *3,968* | *4,057* | *89* | *2.24%* |
| **451100** | Sporting Goods, Hobby, and Musical Instrument Stores | 3,593 | 3,700 | 107 | 2.98% |
| **451200** | Book, Periodical, and Music Stores | 375 | 357 | -18 | -4.80% |
| ***452000*** | *General Merchandise Stores* | *37,932* | *38,560* | *628* | *1.66%* |
| ***453000*** | *Miscellaneous Store Retailers* | *7,083* | *7,166* | *83* | *1.17%* |
| ***454000*** | *Nonstore Retailers* | *2,148* | *2,233* | *85* | *3.96%* |
| **454100** | Electronic Shopping and Mail Order Houses | 1,092 | 1,225 | 133 | 12.18% |
| **454200** | Vending Machine Operators | 341 | 331 | -10 | -2.93% |
| **454300** | Direct Selling Establishments | 715 | 677 | -38 | -5.31% |
|  |  |  |  |  |  |
| ***480000*** | ***Transportation and Warehousing*** | ***58,905*** | ***61,300*** | ***2,395*** | ***4.07%*** |
| ***481000*** | *Air Transportation* | *643* | *668* | *25* | *3.89%* |
| **481100** | Scheduled Air Transportation | 538 | 559 | 21 | 3.90% |
| **481200** | Nonscheduled Air Transportation | 105 | 109 | 4 | 3.81% |
| ***484000*** | *Truck Transportation* | *31,152* | *31,802* | *650* | *2.09%* |
| ***485000*** | *Transit and Ground Passenger Transportation* | *1,335* | *1,234* | *-101* | *-7.57%* |
| **485300** | Taxi and Limousine Service | 222 | 229 | 7 | 3.15% |
| **485400** | School and Employee Bus Transportation | 295 | 244 | -51 | -17.29% |
| **485900** | Other Transit and Ground Passenger Transportation | 657 | 609 | -48 | -7.31% |
| ***486000*** | *Pipeline Transportation* | *560* | *497* | *-63* | *-11.25%* |
| ***488000*** | *Support Activities for Transportation* | *5,482* | *5,480* | *-2* | *-0.04%* |
| **488100** | Support Activities for Air Transportation | 1,073 | 1,015 | -58 | -5.41% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **488200** | Support Activities for Rail Transportation | 621 | 598 | -23 | -3.70% |
| **488300** | Support Activities for Water Transportation | 490 | 485 | -5 | -1.02% |
| **488400** | Support Activities for Road Transportation | 892 | 914 | 22 | 2.47% |
| **488500** | Freight Transportation Arrangement | 2,299 | 2,360 | 61 | 2.65% |
| **488900** | Other Support Activities for Transportation | 107 | 108 | 1 | 0.93% |
| ***493000*** | *Warehousing and Storage* | *9,536* | *11,340* | *1,804* | *18.92%* |
|  |  |  |  |  |  |
| ***220000*** | ***Utilities*** | ***7,806*** | ***7,629*** | ***-177*** | ***-2.27%*** |
| **221100** | Electric Power Generation, Transmission and Distribution | 5,894 | 5,739 | -155 | -2.63% |
| **221200** | Natural Gas Distribution | 969 | 942 | -27 | -2.79% |
| **221300** | Water, Sewage and Other Systems | 943 | 948 | 5 | 0.53% |
|  |  |  |  |  |  |
| **102200** | **INFORMATION** | **11,288** | **11,171** | **-117** | **-1.04%** |
|  |  |  |  |  |  |
| ***511000*** | *Publishing Industries (except Internet)* | *2,091* | *1,861* | *-230* | *-11.00%* |
| **511100** | Newspaper, Periodical, Book, and Directory Publishers | 1,676 | 1,366 | -310 | -18.50% |
| **511200** | Software Publishers | 415 | 495 | 80 | 19.28% |
| ***512000*** | *Motion Picture and Sound Recording Industries* | *525* | *644* | *119* | *22.67%* |
| **512100** | Motion Picture and Video Industries | 500 | 617 | 117 | 23.40% |
| **512200** | Sound Recording Industries | 25 | 27 | 2 | 8.00% |
| ***515000*** | *Broadcasting (except Internet)* | *1,389* | *1,319* | *-70* | *-5.04%* |
| ***517000*** | *Telecommunications* | *3,282* | *3,235* | *-47* | *-1.43%* |
| ***518000*** | *Data Processing, Hosting and Related Services* | *3,580* | *3,671* | *91* | *2.54%* |
| ***519000*** | *Other Information Services* | *421* | *441* | *20* | *4.75%* |
|  |  |  |  |  |  |
| **102300** | **FINANCIAL ACTIVITIES** | **65,266** | **67,749** | **2,483** | **3.80%** |
|  |  |  |  |  |  |
| ***520000*** | ***Finance and Insurance*** | ***51,597*** | ***54,016*** | ***2,419*** | ***4.69%*** |
| ***522000*** | *Credit Intermediation and Related Activities* | *19,591* | *19,495* | *-96* | *-0.49%* |
| ***523000*** | *Securities, Commodity Contracts, and Other Financial Investments and Related Activities* | *3,072* | *3,079* | *7* | *0.23%* |
| ***524000*** | *Insurance Carriers and Related Activities* | *28,866* | *31,382* | *2,516* | *8.72%* |
| **524100** | Insurance Carriers | 20,464 | 23,292 | 2,828 | 13.82% |
| **524200** | Agencies, Brokerages, and Other Insurance Related Activities | 8,402 | 8,090 | -312 | -3.71% |
|  |  |  |  |  |  |
| ***530000*** | ***Real Estate and Rental and Leasing*** | ***13,669*** | ***13,733*** | ***64*** | ***0.47%*** |
| ***531000*** | *Real Estate* | *10,122* | *10,411* | *289* | *2.86%* |
| ***532000*** | *Rental and Leasing Services* | *3,485* | *3,262* | *-223* | *-6.40%* |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| ***533000*** | *Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)* | *62* | *60* | *-2* | *-3.23%* |
|  |  |  |  |  |  |
| **102400** | **PROFESSIONAL AND BUSINESS SERVICES** | **144,126** | **150,638** | **6,512** | **4.52%** |
|  |  |  |  |  |  |
| ***540000*** | ***Professional, Scientific, and Technical Services*** | ***43,782*** | ***45,248*** | ***1,466*** | ***3.35%*** |
| ***541000*** | *Professional, Scientific, and Technical Services* | *43,782* | *45,248* | *1,466* | *3.35%* |
| **541100** | Legal Services | 6,026 | 6,073 | 47 | 0.78% |
| **541200** | Accounting, Tax Preparation, Bookkeeping, and Payroll Services | 6,677 | 6,812 | 135 | 2.02% |
| **541300** | Architectural, Engineering, and Related Services | 6,525 | 6,674 | 149 | 2.28% |
| **541400** | Specialized Design Services | 384 | 401 | 17 | 4.43% |
| **541500** | Computer Systems Design and Related Services | 8,822 | 9,270 | 448 | 5.08% |
| **541600** | Management, Scientific, and Technical Consulting Services | 6,285 | 6,659 | 374 | 5.95% |
| **541700** | Scientific Research and Development Services | 959 | 998 | 39 | 4.07% |
| **541800** | Advertising, Public Relations, and Related Services | 3,751 | 3,886 | 135 | 3.60% |
| **541900** | Other Professional, Scientific, and Technical Services | 4,353 | 4,475 | 122 | 2.80% |
|  |  |  |  |  |  |
| ***550000*** | ***Management of Companies and Enterprises*** | ***34,312*** | ***36,033*** | ***1,721*** | ***5.02%*** |
|  |  |  |  |  |  |
| ***560000*** | ***Administrative and Support and Waste Management and Remediation Services*** | ***66,032*** | ***69,357*** | ***3,325*** | ***5.04%*** |
| ***561000*** | *Administrative and Support Services* | *62,249* | *65,460* | *3,211* | *5.16%* |
| **561100** | Office Administrative Services | 3,544 | 3,668 | 124 | 3.50% |
| **561200** | Facilities Support Services | 913 | 933 | 20 | 2.19% |
| **561300** | Employment Services | 27,576 | 29,710 | 2,134 | 7.74% |
| **561400** | Business Support Services | 8,990 | 9,590 | 600 | 6.67% |
| **561500** | Travel Arrangement and Reservation Services | 204 | 195 | -9 | -4.41% |
| **561600** | Investigation and Security Services | 4,871 | 4,752 | -119 | -2.44% |
| **561700** | Services to Buildings and Dwellings | 14,976 | 15,498 | 522 | 3.49% |
| **561900** | Other Support Services | 1,175 | 1,114 | -61 | -5.19% |
| ***562000*** | *Waste Management and Remediation Service* | *3,783* | *3,897* | *114* | *3.01%* |
| **562100** | Waste Collection | 1,340 | 1,387 | 47 | 3.51% |
| **562200** | Waste Treatment and Disposal | 1,072 | 1,083 | 11 | 1.03% |
| **562900** | Remediation and Other Waste Management Services | 1,371 | 1,427 | 56 | 4.08% |
|  |  |  |  |  |  |
| **102500** | **EDUCATION AND HEALTH SERVICES** | **305,184** | **306,398** | **1,214** | **0.40%** |
|  |  |  |  |  |  |
| ***611000*** | *Educational Services* | *111,826* | *109,588* | *-2,238* | *-2.00%* |
| **611100** | Elementary and Secondary Schools | 75,878 | 74,006 | -1,872 | -2.47% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **611200** | Junior Colleges | 6,518 | 6,215 | -303 | -4.65% |
| **611300** | Colleges, Universities, and Professional Schools | 25,794 | 25,494 | -300 | -1.16% |
| **611500** | Technical and Trade Schools | 1,067 | 1,093 | 26 | 2.44% |
| **611600** | Other Schools and Instruction | 1,746 | 1,906 | 160 | 9.16% |
|  |  |  |  |  |  |
| ***620000*** | ***Health Care and Social Assistance*** | ***193,358*** | ***196,810*** | ***3,452*** | ***1.79%*** |
| ***621000*** | *Ambulatory Health Care Services* | *60,216* | *62,290* | *2,074* | *3.44%* |
| **621100** | Offices of Physicians | 26,475 | 27,161 | 686 | 2.59% |
| **621200** | Offices of Dentists | 7,481 | 7,707 | 226 | 3.02% |
| **621300** | Offices of Other Health Practitioners | 9,921 | 10,467 | 546 | 5.50% |
| **621400** | Outpatient Care Centers | 5,468 | 5,692 | 224 | 4.10% |
| **621500** | Medical and Diagnostic Laboratories | 1,486 | 1,563 | 77 | 5.18% |
| **621600** | Home Health Care Services | 6,473 | 6,689 | 216 | 3.34% |
| **621900** | Other Ambulatory Health Care Services | 2,912 | 3,011 | 99 | 3.40% |
| ***622000*** | *Hospitals* | *67,133* | *68,364* | *1,231* | *1.83%* |
| **622100** | General Medical and Surgical Hospitals | 52,380 | 52,810 | 430 | 0.82% |
| **622200** | Psychiatric and Substance Abuse Hospitals | 8,864 | 9,128 | 264 | 2.98% |
| **622300** | Specialty (except Psychiatric and Substance Abuse) Hospitals | 5,889 | 6,426 | 537 | 9.12% |
| ***623000*** | *Nursing and Residential Care Facilities* | *28,714* | *28,712* | *-2* | *-0.01%* |
| **623100** | Nursing Care Facilities (Skilled Nursing Facilities) | 19,461 | 19,296 | -165 | -0.85% |
| **623200** | Residential Intellectual & Developmental Disability, Mental Health, & Substance Abuse Facilities | 4,013 | 3,960 | -53 | -1.32% |
| **623300** | Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly | 4,346 | 4,576 | 230 | 5.29% |
| **623900** | Other Residential Care Facilities | 894 | 880 | -14 | -1.57% |
| ***624000*** | *Social Assistance* | *37,295* | *37,444* | *149* | *0.40%* |
| **624100** | Individual and Family Services | 23,051 | 22,630 | -421 | -1.83% |
| **624200** | Community Food and Housing, and Emergency and Other Relief Services | 1,472 | 1,500 | 28 | 1.90% |
| **624300** | Vocational Rehabilitation Services | 2,640 | 2,640 | 0 | 0.00% |
| **624400** | Child Day Care Services | 10,132 | 10,674 | 542 | 5.35% |
|  |  |  |  |  |  |
| **102600** | **LEISURE AND HOSPITALITY** | **106,884** | **109,584** | **2,700** | **2.53%** |
|  |  |  |  |  |  |
| ***710000*** | ***Arts, Entertainment, and Recreation*** | ***9,807*** | ***10,468*** | ***661*** | ***6.74%*** |
| ***711000*** | *Performing Arts, Spectator Sports, and Related Industries* | *2,038* | *2,204* | *166* | *8.15%* |
| **711100** | Performing Arts Companies | 248 | 227 | -21 | -8.47% |
| **711200** | Spectator Sports | 1,443 | 1,600 | 157 | 10.88% |
| **711300** | Promoters of Performing Arts, Sports, and Similar Events | 223 | 247 | 24 | 10.76% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **711400** | Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures | 51 | 53 | 2 | 3.92% |
| **711500** | Independent Artists, Writers, and Performers | 73 | 77 | 4 | 5.48% |
| ***712000*** | *Museums, Historical Sites, and Similar Institution* | *697* | *736* | *39* | *5.60%* |
| ***713000*** | *Amusement, Gambling, and Recreation Industries* | *7,072* | *7,528* | *456* | *6.45%* |
|  |  |  |  |  |  |
| ***720000*** | ***Accommodation and Food Services*** | ***97,077*** | ***99,116*** | ***2,039*** | ***2.10%*** |
| ***721000*** | *Accommodation, including Hotels and Motels* | *8,686* | *9,198* | *512* | *5.89%* |
| **721100** | Traveler Accommodation | 8,232 | 8,727 | 495 | 6.01% |
| **721200** | RV (Recreational Vehicle) Parks and Recreational Camps | 360 | 367 | 7 | 1.94% |
| **721300** | Rooming and Boarding Houses | 94 | 104 | 10 | 10.64% |
| ***722000*** | *Food Services and Drinking Places* | *88,391* | *89,918* | *1,527* | *1.73%* |
| **722300** | Special Food Services | 4,181 | 4,227 | 46 | 1.10% |
| **722400** | Drinking Places (Alcoholic Beverages) | 715 | 716 | 1 | 0.14% |
| **722500** | Restaurants and Other Eating Places | 83,495 | 84,975 | 1,480 | 1.77% |
|  |  |  |  |  |  |
| **102700** | **OTHER SERVICES (EXCEPT GOVERNMENT)** | **75,861** | **80,545** | **4,684** | **6.17%** |
|  |  |  |  |  |  |
| ***811000*** | *Repair and Maintenance* | *11,516* | *11,885* | *369* | *3.20%* |
| **811100** | Automotive Repair and Maintenance | 7,137 | 7,373 | 236 | 3.31% |
| **811200** | Electronic and Precision Equipment Repair and Maintenance | 885 | 904 | 19 | 2.15% |
| **811300** | Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance | 2,872 | 2,988 | 116 | 4.04% |
| **811400** | Personal and Household Goods Repair and Maintenance | 622 | 620 | -2 | -0.32% |
| ***812000*** | *Personal and Laundry Services* | *7,017* | *7,218* | *201* | *2.86%* |
| **812100** | Personal Care Services | 2,636 | 2,882 | 246 | 9.33% |
| **812200** | Death Care Services | 1,479 | 1,468 | -11 | -0.74% |
| **812300** | Drycleaning and Laundry Services | 1,776 | 1,713 | -63 | -3.55% |
| **812900** | Other Personal Services | 1,126 | 1,155 | 29 | 2.58% |
| ***813000*** | *Religious, Grantmaking, Civic, Professional, and Similar Organizations* | *50,826* | *55,332* | *4,506* | *8.87%* |
| **813100** | Religious Organizations | 32,492 | 34,973 | 2,481 | 7.64% |
| **813200** | Grantmaking and Giving Services | 5,144 | 5,983 | 839 | 16.31% |
| **813300** | Social Advocacy Organizations | 5,328 | 6,023 | 695 | 13.04% |
| **813400** | Civic and Social Organizations | 916 | 903 | -13 | -1.42% |
| **813900** | Business, Professional, Labor, Political, and Similar Organizations | 6,946 | 7,450 | 504 | 7.26% |
| ***814000*** | *Private Households* | *6,502* | *6,110* | *-392* | *-6.03%* |
|  |  |  |  |  |  |
| **102800** | **GOVERNMENT** | **93,268** | **93,847** | **579** | **0.62%** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| ***910000*** | *Total Federal Government Employment* | *20,548* | *20,499* | *-49* | *-0.24%* |
| **491100** | Postal Service | 5,499 | 5,414 | -85 | -1.55% |
| **999100** | Federal Government, Excluding Post Office | 15,049 | 15,085 | 36 | 0.24% |
| **999200** | State Government, Excluding Education and Hospitals | 32,943 | 33,188 | 245 | 0.74% |
| **999300** | Local Government, Excluding Education and Hospitals | 39,777 | 40,160 | 383 | 0.96% |

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## EXPLANATION OF OCCUPATIONAL PROJECTIONS DATA ARKANSAS-STATEWIDE

2021-2023

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/ Training**  **Codes** |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |  |
| The occupational code based on the Standard Occupational Classification (SOC)  Coding and Title Structure | The occupational title based on the Standard Occupational Classification (SOC) Coding and Title Structure | An estimate of the number of jobs in an occupation in 2021 | The projected number of jobs expected to be in an occupation in 2023 | Total number of jobs an occupation is expected to gain or lose over the 2021  to 2023 period | Percent change in the number of jobs in an occupation over the 2021 to  2023 period | Average number of annual job openings expected to be created during the projection period due to those leaving the workforce for four  months or more | Average number  of annual job openings expected to be created during the projection period due to those transferring to an occupation in a different SOC Major Group | Average number  of annual job openings expected to be created during the projection period due to the gain or decline of jobs in an occupation | Average number of annual job openings expected to be created during the projection period due to employment growth and separations | Level of training needed by most workers to become fully qualified in the occupation according to the Bureau of Labor Statistics.  See page 81 for definitions. |

### 2021-2023 Arkansas Statewide Occupational Projections by Major Group

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projection** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change1** | **Total2** |
| **00-0000** | **Total, All Occupations** | **1,397,533** | **1,427,344** | **29,811** | **2.13%** | **61,390** | **92,595** | **14,906** | **168,891** |
| 11-0000 | Management Occupations | 124,303 | 126,594 | 2,291 | 1.84% | 4,759 | 5,918 | 1,146 | 11,823 |
| 13-0000 | Business and Financial Operations Occupations | 65,786 | 68,381 | 2,595 | 3.94% | 1,790 | 3,878 | 1,298 | 6,966 |
| 15-0000 | Computer and Mathematical Occupations | 26,345 | 27,451 | 1,106 | 4.20% | 550 | 1,330 | 553 | 2,433 |
| 17-0000 | Architecture and Engineering Occupations | 11,771 | 12,093 | 322 | 2.74% | 295 | 592 | 161 | 1,048 |
| 19-0000 | Life, Physical, and Social Science Occupations | 8,390 | 8,527 | 137 | 1.63% | 182 | 612 | 68 | 862 |
| 21-0000 | Community and Social Service Occupations | 30,153 | 31,639 | 1,486 | 4.93% | 1,162 | 1,966 | 743 | 3,871 |
| 23-0000 | Legal Occupations | 7,271 | 7,457 | 186 | 2.56% | 209 | 304 | 93 | 606 |
| 25-0000 | Education, Training, and Library Occupations | 82,156 | 81,485 | -671 | -0.82% | 3,268 | 3,699 | -336 | 6,631 |
| 27-0000 | Arts, Design, Entertainment, Sports, and Media Occupations | 14,982 | 15,554 | 572 | 3.82% | 594 | 962 | 286 | 1,842 |
| 29-0000 | Healthcare Practitioners and Technical Occupations | 89,263 | 91,470 | 2,207 | 2.47% | 2,344 | 2,832 | 1,104 | 6,280 |
| 31-0000 | Healthcare Support Occupations | 57,398 | 58,144 | 746 | 1.30% | 3,419 | 3,560 | 373 | 7,352 |
| 33-0000 | Protective Service Occupations | 27,403 | 27,534 | 131 | 0.48% | 1,141 | 1,646 | 66 | 2,853 |
| 35-0000 | Food Preparation and Serving Related Occupations | 101,812 | 103,751 | 1,939 | 1.90% | 7,865 | 10,454 | 970 | 19,289 |
| 37-0000 | Building and Grounds Cleaning and Maintenance Occupations | 42,865 | 43,816 | 951 | 2.22% | 2,474 | 3,140 | 476 | 6,090 |
| 39-0000 | Personal Care and Service Occupations | 27,102 | 28,047 | 945 | 3.49% | 1,703 | 2,085 | 472 | 4,260 |
| 41-0000 | Sales and Related Occupations | 132,883 | 135,972 | 3,089 | 2.32% | 6,934 | 10,476 | 1,544 | 18,954 |
| 43-0000 | Office and Administrative Support Occupations | 162,078 | 164,306 | 2,228 | 1.37% | 7,692 | 10,050 | 1,114 | 18,856 |
| 45-0000 | Farming, Fishing, and Forestry Occupations | 20,137 | 20,837 | 700 | 3.48% | 844 | 2,318 | 350 | 3,512 |
| 47-0000 | Construction and Extraction Occupations | 50,135 | 50,858 | 723 | 1.44% | 1,514 | 3,490 | 362 | 5,366 |
| 49-0000 | Installation, Maintenance, and Repair Occupations | 60,456 | 61,794 | 1,338 | 2.21% | 1,894 | 3,878 | 669 | 6,441 |
| 51-0000 | Production Occupations | 116,302 | 118,765 | 2,463 | 2.12% | 4,382 | 8,574 | 1,232 | 14,188 |
| 53-0000 | Transportation and Material Moving Occupations | 138,542 | 142,869 | 4,327 | 3.12% | 6,374 | 10,829 | 2,164 | 19,367 |

1. The Annual Change is the Numeric Change equally distributed between the two years.
2. The Total Annual Openings is the sum of the Annual Exits, Transfers, and Change.

**Occupational Outlook**

The Arkansas labor market is expected to see a growth of 29,811 jobs over the 2021-2023 projection period, an increase of 2.13 percent. With this, job opportunities for recent graduates and other job seekers are likely available. There is expected to be 168,891 total annual job openings during the projection period, with 61,390 openings available due to employees exiting the workforce. Another 92,595 are estimated to be available due to employees changing jobs, while 14,906 would be available due to growth and expansion in the economy. All but one occupational group is estimated to see net job gains.

### Management Occupations

The **Management Occupations** major group is projected to gain 2,291 jobs, an increase of 1.84 percent of its workforce. During the projection period, 11,823 annual job openings are estimated to be available, with 4,759 due to employees leaving the workforce and 5,918 for those changing jobs. Another 1,146 is forecast to be available annually due to growth and expansion. Driving the gain is General and Operations Managers with a gain of 836 jobs, placing fourth in the Top 20 Growing Occupations list. On the negative side of the labor market, Farmers, Ranchers, and Other Agricultural Managers is expected to lose 78 jobs, placing sixth in the Top 20 Declining Occupations list. The occupation, however, is slated to have 4,635 annual job openings, allowing the occupation to place among the ten highest annual openings in exits, transfers and total.

### Business and Financial Operations Occupations

The **Business and Financial Operations Occupations** major group is estimated to gain 2,595 jobs during the projection period. Of the 6,966 annual job openings, 1,790 could come from employees exiting the workforce, while 3,978 would come from changing jobs. Another 1,298 job openings would be related to growth and expansion.

*Business Operations Specialists* is slated to add 1,867 jobs. Within this group, Fundraisers is predicted to be the second fastest growing

occupation in the state, raising employment by 13.62 percent. Insurance Underwriters is predicted to increase by 12.01 percent, fourth fastest in the state. Logisticians are predicted to add 9.09 percent to its workforce.

### Computer and Mathematical Occupations

The **Computer and Mathematical Occupations** major group is expected to gain 1,106 jobs. With 2,433 annual job openings, 524 is set to come from employees leaving the workforce, 1,266 from those changing jobs, and 492 from growth and expansion. Much of the gain is projected to occur in the *Computer Occupations* occupational family, adding 984 jobs. Driving this growth is Software Developers and Software Quality Assurance Analysts and Testers, with 528 new jobs, placing in the Top 20 Growing Industries list in the state.

Statisticians is among the ten fastest growing occupations, adding 8.83 percent to its workforce. *Mathematical Science Occupations* is estimated to add an additional 122 jobs to its workforce.

### Architecture and Engineering Occupations

The **Architecture and Engineering Occupations** major group is predicted to add 322 new jobs between first quarter 2021 and first quarter 2023. The major group is estimated to have 1,048 annual job openings, of which 295 would be from those exiting the workforce and

592 from those transferring to other occupational groups. Another 161 jobs are related to growth and expansion. *Engineers* is projected to add 225 jobs to its workforce, almost 70 percent of the overall growth. Driving this growth is Industrial Engineers, which is slated to add 82 jobs to its workforce.

### Life, Physical, and Social Science Occupations

The **Life, Physical, and Social Science Occupations** could see an increase of 137 jobs during the projection period. Of 862 total annual openings, 182 is slated to come from employees leaving the workforce, while 612 would be associated with employees changing jobs. Another 68 jobs are due to growth and expansion. The *Life Scientists* occupational family is predicted to see a gain of 55 jobs, while *Life, Physical, and Social Science Technicians* is projected to add 49 new jobs to its workforce. The biggest gain in this major group is Chemical Technicians, estimated to add 19 jobs, or 3.33 percent to its workforce.

### Community and Social Service Occupations

The **Community and Social Service Occupations** major group is projected to increase by 1,486 employees during the projection period, an increase of 4.93 percent, becoming the fastest growing major group. The occupational group is estimated to have 3,871 annual job openings, with 1,162 coming from employees leaving the workforce, 1,486 coming from employees changing jobs, and 743 related to growth and expansion. *Religious Workers* drives the growth in the major group, adding an estimated 1,176 new jobs. Clergy is projected to be among the top five growing occupations in the state with 833 new jobs.

### Legal Occupations

The **Legal Occupations** major group is forecast to increase staffing by 186 jobs between first quarter 2021 and first quarter 2023. Of the 606 total annual openings, 209 could come from staff leaving the workforce, while 304 would be related to job transfers. Growth and

expansion would account for 93 annual job openings. *Lawyers, Judges, and Related Workers* is slated to add 105 jobs during the projection period, with Lawyers estimated to gain 101 new jobs. *Legal Support Workers* is slated to add 81 jobs to its workforce. Paralegals leads this occupational family with 66 new jobs.

### Education, Training, and Library Occupations

The **Education, Training, and Library Occupations** major group is forecast to be the only major group to experience a loss of jobs during the 2021-2023 projection cycle. Out of 6,631 annual job openings, 3,268 could come from employees leaving the jobs, while 3,699 could be created from employees changing jobs. Job loss would account for 336 fewer annual openings. *Preschool, Primary, Secondary, and Special Education School Teachers* could see a decline of 631 jobs.

The group lost 2,780 jobs over the last year as schools have dealt with the pandemic over the last three school years. Elementary School Teachers, Except Special Education and Secondary School Teachers, Except Special and Career/Technical Education are estimated to see losses of 283 and 264 jobs, becoming the top two highest declining industries. Middle School Teachers, Except Special and Career/Technical Education is also among the top five declining occupations with 125 projected job losses. *Postsecondary Teachers* could also see a tough outlook, cutting 106 jobs. A few positive signs in this major group are Preschool Teachers, Except Special Education, slated to add 175 new jobs and Substitute Teachers, Short-Term, forecast to gain 284.

### Arts, Design, Entertainment, Sports, and Media Occupations

The **Arts, Design, Entertainment, Sports, and Media Occupations** major group is estimated to gain 572 jobs during the projection period. Of the 1,842 annual job openings, 594 would come from employees leaving the workforce and 962 is connected to those who change jobs. Growth and expansion in the job market could account for 286 openings annually. *Entertainers and Performers, Sports and Related Workers* is estimated to gain 314 jobs. Public Relations Specialists is

anticipated to add 135 jobs to its workforce, while Musicians and Singers could add 133. There are however some downsides in this major group with three occupations among the ten fastest declining. Leading at number five is News Analysts, Reporters, and Journalists cutting 9.42 percent of its workforce.

### Healthcare Practitioners and Technical Occupations

The **Healthcare Practitioners and Technical Occupations** major group is projected to see a net gain of 2,207 jobs. During the projection period, 6,280 annual job openings are anticipated with 2,344 coming from employees leaving the workforce, 2,832 coming from job transfers, and 1,104 from growth and expansion. The *Health Diagnosing and Treating Practitioners* occupational family is estimated to add 1,309 new jobs. Driving this growth is Registered Nurses, slated to add 393 new jobs, placing in the Top 20 Growing Industries list. Nurse Practitioners is predicted to be among the ten fastest growing occupations, raising employment by 10.31 percent.

*Health Technologists and Technicians* are expected to add 604 new jobs to its workforce.

### Healthcare Support Occupations

The **Healthcare Support Occupations** major group could see a rise in 746 new jobs during the 2021-2023 projection cycle. With 7,352 annual job openings, 3,419 are estimated to come from employees who leave the workforce, while 3,560 from employees changing jobs.

Another 373 job openings are related to growth and expansion. Medical Assistants is projected to add 131 new jobs to its workforce. Occupational Therapy Assistants made the Top 20 Fastest Growing Occupations list with an anticipated gain of 7.45 percent. On the negative side of the economy, Home Health and Personal Care Aides is slated to lose 28 jobs, making the Top 20 Declining Occupations list.

### Protective Service Occupations

The **Protective Service Occupations** major group is expected to add 131 new jobs to its workforce. The occupational group is estimated to have 2,853 annual job openings during the projection period. Of these, 1,141 would come from employees leaving the workforce, 1,646 from employees changing jobs, and 66 from growth and expansion.

*Supervisors of Protective Service Workers* is slated to add 48 new jobs, while *Law Enforcement Workers* and *Fire Fighting and Prevention Workers* are both predicted to experience a net gain of 41 jobs. Police and Sheriff's Patrol Officers could add 83 new jobs, while Security Guards could lose 55, becoming one of the ten highest declining occupations.

### Food Preparation and Serving Related Occupations

**Food Preparation and Serving Related Occupations** is projected to experience a gain of 1,939 jobs between first quarter 2021 and first quarter 2023. The occupational group is forecast to have 19,289 annual job openings, of which 7,865 are estimated to be available due to employees leaving the workforce, while 10,454 would come from employees changing jobs. Another 970 would be associated with growth and expansion *Food and Beverage Serving Workers* leads this major group with 845 new jobs. Cooks, Restaurant is slated to be among the ten highest growing occupations, adding 634 new jobs.

However, Cooks, Fast Food could see a reduction of 76 jobs, 2.03 percent of its workforce.

### Building and Grounds Cleaning and Maintenance

The **Building and Grounds Cleaning and Maintenance Occupations** is estimated to experience a net gain of 951 jobs during the projection period. With 6,090 annual job openings, 2,474 would be associated with employees leaving the workforce, while 3,140 would be connected to those changing jobs. Growth and expansion would account for 476 annual job openings. The *Building Cleaning and Pest Control Workers* occupational family is forecast to grow by

336. Driving this gain is Janitors and Cleaners, Except Maids and Housekeeping Cleaners, placing in the Top 20 Growing Occupations

list. Landscaping and Groundskeeping Workers could also see strong growth, adding an estimated 192 jobs

### Personal Care and Service Occupations

The **Personal Care and Service Occupations** major group is estimated to increase staffing by 945 jobs during the projection period. Of the 4,260 annual job openings, 1703 are forecast to come from employees leaving the workforce, 2,085 from employees changing jobs, and 472 due to growth and expansion. Four of the seven occupational families in the major group are estimating over 200 new jobs. Nonfarm Animal Caretakers and Hairdressers, Hairstylists, and Cosmetologists each are predicted to increase employment by 168 jobs. Ushers, Lobby Attendants, and Ticket Takers are projected to be the fastest growing occupation in the state, raising employment by

14.72 percent as entertainment facilities begin the long road to recovery to pre-pandemic conditions.

### Sales and Related Occupations

The **Sales and Related Occupations** major group is projected to experience a gain of 3,089 jobs between first quarter 2021 and first quarter 2023, a 2.32 percent gain. Of the 18,954 jobs expected annually, 6,934 could come from employees leaving the workforce, 10,476 from those changing jobs, and 1,544 connected to growth and expansion. The *Retail Sales Workers* occupational family is slated to add 1,463 new jobs, while the Sales Representatives, Services family is predicted to raise employment by 1,005. Insurance Sales Agents is projected to be the third highest growing occupation, growing by 900 during the projection period. Six occupations in this major group are estimated to add more than 100 new jobs. On the negative side of the labor market, Advertising Sales Agents is expected to cut 47 jobs, or

5.02 percent of its workforce, among the ten fastest declining occupations.

### Office and Administrative Support Occupations

The **Office and Administrative Support Occupations** major group is predicted to gain 2,228 jobs during the projection period. The occupational group is estimated to have 18,856 annual job openings. Of these, 7,692 are connected to employees leaving the workforce, while 10,050 are associated with those changing jobs. Another 1,114 annual job openings would be for growth and expansion. The *Other Office and Administrative Support Workers* occupational family is predicted to add 963 jobs, while *Information and Record Clerks* is forecast to add 851 new jobs. Insurance Claims and Policy Processing Clerks is predicted to increase employment by 698, or a 9.81 percent gain, placing seventh in the Top 20 Growing Occupations list as well as the Top 20 Fastest Growing Occupations list. On the negative side of the labor market, Tellers is slated to lose 161 jobs, placing third in the Top 20 Declining Occupations list, while Postal Service Mail Carriers and Interviewers, Except Eligibility and Loan is anticipated to lose 50 jobs each, placing among the ten highest declining occupations.

### Farming, Fishing, and Forestry Occupations

The **Farming, Fishing, and Forestry Occupations** major group is forecast to gain 700 jobs, increasing by 3.48 percent. Overall, 3,512 annual job openings are expected, with 844 connected to employees leaving the workforce, 2,318 from employees changing jobs, and 350 related to growth and expansion. *Agricultural Workers* are likely to gain the most, adding 668 new jobs to its workforce. Farmworkers and Laborers, Crop, Nursery, and Greenhouse could gain 305 new jobs, while Farmworkers, Farm, Ranch, and Aquacultural Animals is set to gain 298 jobs.

### Construction and Extraction

The **Construction and Extraction Occupations** major group is projected to add 723 jobs to its workforce. With 5,366 annual job

openings, 1,514 would be from employees leaving the workforce, while 3,490 would be associated with employees changing jobs. Another 362 annual job openings would be from growth and expansion. Much of the growth in the major group is likely to occur in the *Construction Trades Workers* occupational family, increasing employment by 661 jobs. Electricians are slated to add 252 jobs to its ranks. On the negative side of the labor force, *Extraction Workers* is estimated to see a decline of 75 jobs, or 3.74 percent of its workforce. Service Unit Operators, Oil, Gas, and Mining is set to lose 67 jobs, or

11.04 percent of its workforce, placing eighth in numeric decline and fourth in percent decline. Derrick Operators, Oil and Gas is slated to be the fastest declining occupation, at a rate of 17.78 percent, and Roustabouts, Oil and Gas is predicted to be fourth, losing 12.50 percent of its workforce.

### Installation, Maintenance, and Repair Occupations

The **Installation, Maintenance, and Repair Occupations** major group is estimated to increase staffing by 1,338 new jobs. During the projection period, 6,441 annual job openings are expected to be available. Of these, 1,894 would be connected to employees leaving the workforce, 3,878 from those changing jobs, and 669 due to growth and expansion. The *Other Installation, Maintenance, and Repair Occupations* occupational family drives the growth in the major group with an anticipated gain of 959 jobs. Industrial Machinery Mechanics leads all occupations with 405 new jobs, while Maintenance and Repair Workers, General is slated to increase by 253. On the negative side of the labor market, Control and Valve Installers and Repairers, Except Mechanical Door is predicted to lose 16 jobs, 3.31 percent of its workforce.

### Production Occupations

The **Production Occupations** major group is projected to lose 2,463 jobs between first quarter 2021 and first quarter 2023, a 2.12 percent gain. Around 14,188 job openings are anticipated annually. Of these, 4,382 could come from employees leaving the workforce, 8,574 would

be connected to employees changing jobs, and 1,232 related to growth and expansion. The *Other Production Occupations* is slated to add 975 jobs during the projection period, while *Metal Workers and Plastic Workers* is forecast to increase by 679 jobs. Foundry Mold and Coremakers is predicted to be the third fastest growing occupation in the state, raising employment by 12.75 percent. Fiberglass Laminators and Fabricators, also among the ten fastest growing, is estimated to add 9.21 percent to its workforce. On the negative side of the labor market, *Plant and System* Operators could lose 20 jobs between 2021 and 2023. Within this family, Gas Plant Operators could be among the ten fastest declining occupations, losing 5.38 percent of its workforce.

### Transportation and Material Moving Occupations

The **Transportation and Material Moving Occupations** major group is projected to be the top growing major group, adding 4,327 new jobs, or 3.12 percent to its workforce. With 19,367 annual job openings, 6,374 is associated with people leaving the workforce, 10,829 connected to job change, and 2,164 related to growth and expansion. The *Material Moving Workers* occupational family is predicted to add an additional 2,874 new jobs to its workforce.

Stockers and Order Fillers is slated to be the top growing occupation in the state, increasing employment by 1,1278. Heavy and Tractor- Trailer Truck Drivers is anticipated to add 1,027 jobs, placing as the second highest growing occupation. In all, four occupations within the **Transportation and Material Moving Occupations** major group are among the ten highest growing occupations in the state. On the reverse side of the economy, Sailors and Marine Oilers is projected to lose 12.73 percent of its workforce, becoming the second fastest declining industry in the state.

**Top 20 Growing Occupations by Numeric Change**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projection** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **53-7065** | Stockers and Order Fillers | 20,459 | 21,586 | **1,127** | 5.51% | 1,196 | 2,050 | 564 | 3,810 |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 38,517 | 39,544 | **1,027** | 2.67% | 1,598 | 2,646 | 514 | 4,758 |
| **41-3021** | Insurance Sales Agents | 10,343 | 11,243 | **900** | 8.70% | 360 | 604 | 450 | 1,414 |
| **11-1021** | General and Operations Managers | 22,850 | 23,686 | **836** | 3.66% | 464 | 1,442 | 418 | 2,324 |
| **21-2011** | Clergy | 10,334 | 11,167 | **833** | 8.06% | 441 | 621 | 416 | 1,478 |
| **41-2031** | Retail Salespersons | 37,722 | 38,463 | **741** | 1.96% | 2,130 | 3,146 | 370 | 5,646 |
| **43-9041** | Insurance Claims and Policy Processing Clerks | 7,112 | 7,810 | **698** | 9.81% | 263 | 438 | 349 | 1,050 |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 20,903 | 21,598 | **695** | 3.32% | 930 | 1,849 | 348 | 3,127 |
| **53-7051** | Industrial Truck and Tractor Operators | 9,248 | 9,913 | **665** | 7.19% | 288 | 736 | 332 | 1,356 |
| **35-2014** | Cooks, Restaurant | 9,380 | 10,014 | **634** | 6.76% | 570 | 830 | 317 | 1,717 |
| **41-2011** | Cashiers | 27,728 | 28,335 | **607** | 2.19% | 2,384 | 2,684 | 304 | 5,372 |
| **43-4051** | Customer Service Representatives | 17,758 | 18,345 | **587** | 3.31% | 848 | 1,420 | 294 | 2,562 |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 21,130 | 21,704 | **574** | 2.72% | 1,336 | 1,501 | 287 | 3,124 |
| **15-1256** | Software Developers and Software Quality Assurance Analysts and Testers | 8,782 | 9,310 | **528** | 6.01% | 210 | 444 | 264 | 918 |
| **35-3023** | Fast Food and Counter Workers | 36,957 | 37,417 | **460** | 1.24% | 3,606 | 3,932 | 230 | 7,768 |
| **49-9041** | Industrial Machinery Mechanics | 7,151 | 7,556 | **405** | 5.66% | 226 | 397 | 202 | 825 |
| **29-1141** | Registered Nurses | 26,125 | 26,518 | **393** | 1.50% | 702 | 662 | 196 | 1,560 |
| **11-9111** | Medical and Health Services Managers | 5,822 | 6,166 | **344** | 5.91% | 150 | 304 | 172 | 626 |
| **41-4012** | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 12,652 | 12,965 | **313** | 2.47% | 378 | 866 | 156 | 1,400 |
| **13-2011** | Accountants and Auditors | 8,590 | 8,902 | **312** | 3.63% | 244 | 518 | 156 | 918 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projection** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **39-3031** | Ushers, Lobby Attendants, and Ticket Takers | 496 | 569 | 73 | 14.72% | 68 | 54 | 36 | 158 |
| **13-1131** | Fundraisers | 1,428 | 1,626 | 198 | 13.87% | 48 | 97 | 99 | 244 |
| **51-4071** | Foundry Mold and Coremakers | 102 | 115 | 13 | 12.75% | 4 | 8 | 6 | 18 |
| **13-2053** | Insurance Underwriters | 2,256 | 2,527 | 271 | 12.01% | 48 | 124 | 136 | 308 |
| **29-1171** | Nurse Practitioners | 2,851 | 3,145 | 294 | 10.31% | 62 | 94 | 147 | 303 |
| **51-9162** | Computer Numerically Controlled Tool Programmers | 264 | 290 | 26 | 9.85% | 10 | 20 | 13 | 43 |
| **43-9041** | Insurance Claims and Policy Processing Clerks | 7,112 | 7,810 | 698 | 9.81% | 263 | 438 | 349 | 1,050 |
| **51-2051** | Fiberglass Laminators and Fabricators | 391 | 427 | 36 | 9.21% | 16 | 29 | 18 | 63 |
| **13-1081** | Logisticians | 1,738 | 1,896 | 158 | 9.09% | 38 | 118 | 79 | 235 |
| **15-2041** | Statisticians | 521 | 567 | 46 | 8.83% | 11 | 27 | 23 | 61 |
| **49-2021** | Radio, Cellular, and Tower Equipment Installers and Repairers | 57 | 62 | 5 | 8.77% | 2 | 4 | 2 | 8 |
| **15-1212** | Information Security Analysts | 867 | 943 | 76 | 8.77% | 14 | 50 | 38 | 102 |
| **41-3021** | Insurance Sales Agents | 10,343 | 11,243 | 900 | 8.70% | 360 | 604 | 450 | 1,414 |
| **15-2031** | Operations Research Analysts | 384 | 417 | 33 | 8.59% | 8 | 18 | 16 | 42 |
| **21-2021** | Directors, Religious Activities and Education | 2,585 | 2,798 | 213 | 8.24% | 107 | 196 | 106 | 409 |
| **27-2041** | Music Directors and Composers | 451 | 488 | 37 | 8.20% | 28 | 26 | 18 | 72 |
| **21-2011** | Clergy | 10,334 | 11,167 | 833 | 8.06% | 441 | 621 | 416 | 1,478 |
| **27-2042** | Musicians and Singers | 1,683 | 1,816 | 133 | 7.90% | 103 | 98 | 66 | 267 |
| **53-7121** | Tank Car, Truck, and Ship Loaders | 116 | 125 | 9 | 7.76% | 4 | 10 | 4 | 18 |
| **31-2011** | Occupational Therapy Assistants | 349 | 375 | 26 | 7.45% | 18 | 26 | 13 | 57 |

**Top 20 Occupations by Annual Exits**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projection** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **35-3023** | Fast Food and Counter Workers | 36,957 | 37,417 | 460 | 1.24% | 3,606 | 3,932 | 230 | 7,768 |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 48,507 | 48,429 | -78 | -0.16% | 2,990 | 1,684 | -39 | 4,635 |
| **41-2011** | Cashiers | 27,728 | 28,335 | 607 | 2.19% | 2,384 | 2,684 | 304 | 5,372 |
| **41-2031** | Retail Salespersons | 37,722 | 38,463 | 741 | 1.96% | 2,130 | 3,146 | 370 | 5,646 |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 38,517 | 39,544 | 1,027 | 2.67% | 1,598 | 2,646 | 514 | 4,758 |
| **43-9061** | Office Clerks, General | 28,125 | 28,384 | 259 | 0.92% | 1,542 | 1,676 | 130 | 3,348 |
| **31-1120** | Home Health and Personal Care Aides | 21,600 | 21,572 | -28 | -0.13% | 1,382 | 1,222 | -14 | 2,590 |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 21,130 | 21,704 | 574 | 2.72% | 1,336 | 1,501 | 287 | 3,124 |
| **35-3031** | Waiters and Waitresses | 17,215 | 17,519 | 304 | 1.77% | 1,275 | 2,074 | 152 | 3,501 |
| **53-7065** | Stockers and Order Fillers | 20,459 | 21,586 | 1,127 | 5.51% | 1,196 | 2,050 | 564 | 3,810 |
| **31-1131** | Nursing Assistants | 17,577 | 17,646 | 69 | 0.39% | 1,128 | 997 | 34 | 2,159 |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 20,903 | 21,598 | 695 | 3.32% | 930 | 1,849 | 348 | 3,127 |
| **43-4051** | Customer Service Representatives | 17,758 | 18,345 | 587 | 3.31% | 848 | 1,420 | 294 | 2,562 |
| **43-6014** | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 15,122 | 15,104 | -18 | -0.12% | 769 | 844 | -9 | 1,604 |
| **43-3031** | Bookkeeping, Accounting, and Auditing Clerks | 12,620 | 12,710 | 90 | 0.71% | 742 | 646 | 45 | 1,433 |
| **29-1141** | Registered Nurses | 26,125 | 26,518 | 393 | 1.50% | 702 | 662 | 196 | 1,560 |
| **43-4171** | Receptionists and Information Clerks | 11,814 | 11,994 | 180 | 1.52% | 664 | 822 | 90 | 1,576 |
| **39-9011** | Childcare Workers | 9,741 | 9,843 | 102 | 1.05% | 659 | 684 | 51 | 1,394 |
| **37-2012** | Maids and Housekeeping Cleaners | 9,355 | 9,405 | 50 | 0.53% | 637 | 604 | 25 | 1,266 |
| **35-2014** | Cooks, Restaurant | 9,380 | 10,014 | 634 | 6.76% | 570 | 830 | 317 | 1,717 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projection** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **35-3023** | Fast Food and Counter Workers | 36,957 | 37,417 | 460 | 1.24% | 3,606 | 3,932 | 230 | 7,768 |
| **41-2031** | Retail Salespersons | 37,722 | 38,463 | 741 | 1.96% | 2,130 | 3,146 | 370 | 5,646 |
| **41-2011** | Cashiers | 27,728 | 28,335 | 607 | 2.19% | 2,384 | 2,684 | 304 | 5,372 |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 38,517 | 39,544 | 1,027 | 2.67% | 1,598 | 2,646 | 514 | 4,758 |
| **35-3031** | Waiters and Waitresses | 17,215 | 17,519 | 304 | 1.77% | 1,275 | 2,074 | 152 | 3,501 |
| **53-7065** | Stockers and Order Fillers | 20,459 | 21,586 | 1,127 | 5.51% | 1,196 | 2,050 | 564 | 3,810 |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 20,903 | 21,598 | 695 | 3.32% | 930 | 1,849 | 348 | 3,127 |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 48,507 | 48,429 | -78 | -0.16% | 2,990 | 1,684 | -39 | 4,635 |
| **43-9061** | Office Clerks, General | 28,125 | 28,384 | 259 | 0.92% | 1,542 | 1,676 | 130 | 3,348 |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 21,130 | 21,704 | 574 | 2.72% | 1,336 | 1,501 | 287 | 3,124 |
| **11-1021** | General and Operations Managers | 22,850 | 23,686 | 836 | 3.66% | 464 | 1,442 | 418 | 2,324 |
| **43-4051** | Customer Service Representatives | 17,758 | 18,345 | 587 | 3.31% | 848 | 1,420 | 294 | 2,562 |
| **31-1120** | Home Health and Personal Care Aides | 21,600 | 21,572 | -28 | -0.13% | 1,382 | 1,222 | -14 | 2,590 |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 10,667 | 10,870 | 203 | 1.90% | 480 | 1,098 | 102 | 1,680 |
| **41-1011** | First-Line Supervisors of Retail Sales Workers | 15,200 | 15,336 | 136 | 0.89% | 540 | 1,058 | 68 | 1,666 |
| **31-1131** | Nursing Assistants | 17,577 | 17,646 | 69 | 0.39% | 1,128 | 997 | 34 | 2,159 |
| **51-9198** | Helpers--Production Workers | 9,382 | 9,650 | 268 | 2.86% | 447 | 896 | 134 | 1,477 |
| **51-2090** | Miscellaneous Assemblers and Fabricators | 12,415 | 12,537 | 122 | 0.98% | 476 | 890 | 61 | 1,427 |
| **41-4012** | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 12,652 | 12,965 | 313 | 2.47% | 378 | 866 | 156 | 1,400 |
| **43-1011** | First-Line Supervisors of Office and Administrative Support Workers | 13,852 | 14,075 | 223 | 1.61% | 518 | 854 | 112 | 1,484 |

**Top 20 Occupations by Total Annual Openings**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projection** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **35-3023** | Fast Food and Counter Workers | 36,957 | 37,417 | 460 | 1.24% | 3,606 | 3,932 | 230 | 7,768 |
| **41-2031** | Retail Salespersons | 37,722 | 38,463 | 741 | 1.96% | 2,130 | 3,146 | 370 | 5,646 |
| **41-2011** | Cashiers | 27,728 | 28,335 | 607 | 2.19% | 2,384 | 2,684 | 304 | 5,372 |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 38,517 | 39,544 | 1,027 | 2.67% | 1,598 | 2,646 | 514 | 4,758 |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 48,507 | 48,429 | -78 | -0.16% | 2,990 | 1,684 | -39 | 4,635 |
| **53-7065** | Stockers and Order Fillers | 20,459 | 21,586 | 1,127 | 5.51% | 1,196 | 2,050 | 564 | 3,810 |
| **35-3031** | Waiters and Waitresses | 17,215 | 17,519 | 304 | 1.77% | 1,275 | 2,074 | 152 | 3,501 |
| **43-9061** | Office Clerks, General | 28,125 | 28,384 | 259 | 0.92% | 1,542 | 1,676 | 130 | 3,348 |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 20,903 | 21,598 | 695 | 3.32% | 930 | 1,849 | 348 | 3,127 |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 21,130 | 21,704 | 574 | 2.72% | 1,336 | 1,501 | 287 | 3,124 |
| **31-1120** | Home Health and Personal Care Aides | 21,600 | 21,572 | -28 | -0.13% | 1,382 | 1,222 | -14 | 2,590 |
| **43-4051** | Customer Service Representatives | 17,758 | 18,345 | 587 | 3.31% | 848 | 1,420 | 294 | 2,562 |
| **11-1021** | General and Operations Managers | 22,850 | 23,686 | 836 | 3.66% | 464 | 1,442 | 418 | 2,324 |
| **31-1131** | Nursing Assistants | 17,577 | 17,646 | 69 | 0.39% | 1,128 | 997 | 34 | 2,159 |
| **35-2014** | Cooks, Restaurant | 9,380 | 10,014 | 634 | 6.76% | 570 | 830 | 317 | 1,717 |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 10,667 | 10,870 | 203 | 1.90% | 480 | 1,098 | 102 | 1,680 |
| **41-1011** | First-Line Supervisors of Retail Sales Workers | 15,200 | 15,336 | 136 | 0.89% | 540 | 1,058 | 68 | 1,666 |
| **43-6014** | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 15,122 | 15,104 | -18 | -0.12% | 769 | 844 | -9 | 1,604 |
| **43-4171** | Receptionists and Information Clerks | 11,814 | 11,994 | 180 | 1.52% | 664 | 822 | 90 | 1,576 |
| **29-1141** | Registered Nurses | 26,125 | 26,518 | 393 | 1.50% | 702 | 662 | 196 | 1,560 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projection** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **25-2021** | Elementary School Teachers, Except Special Education | 12,824 | 12,541 | -283 | -2.21% | 389 | 508 | -142 | 755 |
| **25-2031** | Secondary School Teachers, Except Special and Career/Technical Education | 11,961 | 11,697 | -264 | -2.21% | 314 | 480 | -132 | 662 |
| **43-3071** | Tellers | 5,162 | 5,001 | -161 | -3.12% | 206 | 320 | -80 | 446 |
| **25-2022** | Middle School Teachers, Except Special and Career/Technical Education | 5,831 | 5,706 | -125 | -2.14% | 177 | 231 | -62 | 346 |
| **25-9045** | Teaching Assistants, Except Postsecondary | 10,602 | 10,494 | -108 | -1.02% | 472 | 493 | -54 | 911 |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 48,507 | 48,429 | -78 | -0.16% | 2,990 | 1,684 | -39 | 4,635 |
| **35-2011** | Cooks, Fast Food | 3,747 | 3,671 | -76 | -2.03% | 218 | 318 | -38 | 498 |
| **47-5013** | Service Unit Operators, Oil, Gas, and Mining | 607 | 540 | -67 | -11.04% | 12 | 56 | -34 | 34 |
| **33-9032** | Security Guards | 6,076 | 6,021 | -55 | -0.91% | 320 | 468 | -28 | 760 |
| **43-4111** | Interviewers, Except Eligibility and Loan | 3,320 | 3,270 | -50 | -1.51% | 190 | 213 | -25 | 378 |
| **43-5052** | Postal Service Mail Carriers | 3,155 | 3,105 | -50 | -1.58% | 109 | 112 | -25 | 196 |
| **11-9032** | Education Administrators, Elementary and Secondary School | 2,330 | 2,282 | -48 | -2.06% | 57 | 107 | -24 | 140 |
| **25-9044** | Teaching Assistants, Postsecondary | 2,953 | 2,905 | -48 | -1.63% | 131 | 137 | -24 | 244 |
| **33-3012** | Correctional Officers and Jailers | 5,895 | 5,848 | -47 | -0.80% | 221 | 318 | -24 | 515 |
| **41-3011** | Advertising Sales Agents | 937 | 890 | -47 | -5.02% | 28 | 85 | -24 | 89 |
| **51-9196** | Paper Goods Machine Setters, Operators, and Tenders | 2,521 | 2,475 | -46 | -1.82% | 112 | 166 | -23 | 255 |
| **43-6011** | Executive Secretaries and Executive Administrative Assistants | 2,053 | 2,018 | -35 | -1.70% | 104 | 114 | -18 | 200 |
| **25-2012** | Kindergarten Teachers, Except Special Education | 1,483 | 1,452 | -31 | -2.09% | 60 | 86 | -16 | 130 |
| **25-2052** | Special Education Teachers, Kindergarten and Elementary School | 1,354 | 1,324 | -30 | -2.22% | 44 | 54 | -15 | 83 |
| **31-1120** | Home Health and Personal Care Aides | 21,600 | 21,572 | -28 | -0.13% | 1,382 | 1,222 | -14 | 2,590 |
| **43-9021** | Data Entry Keyers | 958 | 930 | -28 | -2.92% | 42 | 60 | -14 | 88 |

**Top 20 Fastest Declining Occupations by Percent Change (Numeric Change No Greater than - 5)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projection** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **47-5011** | Derrick Operators, Oil and Gas | 45 | 37 | -8 | -17.78% | 1 | 4 | -4 | 1 |
| **53-5011** | Sailors and Marine Oilers | 55 | 48 | -7 | -12.73% | 2 | 4 | -4 | 2 |
| **47-5071** | Roustabouts, Oil and Gas | 200 | 175 | -25 | -12.50% | 4 | 18 | -12 | 10 |
| **47-5013** | Service Unit Operators, Oil, Gas, and Mining | 607 | 540 | -67 | -11.04% | 12 | 56 | -34 | 34 |
| **27-3023** | News Analysts, Reporters, and Journalists | 276 | 250 | -26 | -9.42% | 8 | 20 | -13 | 15 |
| **27-3041** | Editors | 358 | 331 | -27 | -7.54% | 12 | 22 | -14 | 20 |
| **51-8092** | Gas Plant Operators | 186 | 176 | -10 | -5.38% | 4 | 14 | -5 | 13 |
| **41-3011** | Advertising Sales Agents | 937 | 890 | -47 | -5.02% | 28 | 85 | -24 | 89 |
| **25-3011** | Adult Basic and Secondary Education and Literacy Teachers and Instructors | 252 | 242 | -10 | -3.97% | 14 | 13 | -5 | 22 |
| **27-3011** | Radio and Television Announcers | 229 | 220 | -9 | -3.93% | 8 | 12 | -4 | 16 |
| **51-8013** | Power Plant Operators | 274 | 264 | -10 | -3.65% | 7 | 18 | -5 | 20 |
| **43-6012** | Legal Secretaries | 700 | 676 | -24 | -3.43% | 35 | 38 | -12 | 61 |
| **41-3041** | Travel Agents | 149 | 144 | -5 | -3.36% | 7 | 10 | -2 | 15 |
| **49-9012** | Control and Valve Installers and Repairers, Except Mechanical Door | 484 | 468 | -16 | -3.31% | 11 | 27 | -8 | 30 |
| **51-8012** | Power Distributors and Dispatchers | 333 | 322 | -11 | -3.30% | 8 | 22 | -6 | 24 |
| **49-2095** | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay | 283 | 274 | -9 | -3.18% | 8 | 14 | -4 | 18 |
| **51-6021** | Pressers, Textile, Garment, and Related Materials | 221 | 214 | -7 | -3.17% | 10 | 13 | -4 | 19 |
| **43-3071** | Tellers | 5,162 | 5,001 | -161 | -3.12% | 206 | 320 | -80 | 446 |
| **43-4141** | New Accounts Clerks | 520 | 504 | -16 | -3.08% | 16 | 32 | -8 | 40 |
| **27-4012** | Broadcast Technicians | 168 | 163 | -5 | -2.98% | 4 | 12 | -2 | 14 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **00-0000** | **TOTAL, ALL OCCUPATIONS** | **1,397,533** | **1,427,344** | **29,811** | **2.13%** | **61,390** | **92,595** | **14,906** | **168,891** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **11-0000** | **MANAGEMENT OCCUPATIONS** | **124,303** | **126,594** | **2,291** | **1.84%** | **4,759** | **5,918** | **1,146** | **11,823** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***11-1000*** | ***Top Executives*** | ***27,486*** | ***28,361*** | ***875*** | ***3.18%*** | ***586*** | ***1,642*** | ***438*** | ***2,666*** |  |  |  |
| **11-1011** | Chief Executives | 3,288 | 3,307 | 19 | 0.58% | 90 | 133 | 10 | 233 | BD | 5+ | None |
| **11-1021** | General and Operations Managers | 22,850 | 23,686 | 836 | 3.66% | 464 | 1,442 | 418 | 2,324 | BD | 5+ | None |
| **11-1031** | Legislators | 1,348 | 1,368 | 20 | 1.48% | 32 | 66 | 10 | 108 | BD | <5 | None |
| ***11-2000*** | ***Advertising, Marketing, Promotions, Public Relations, and Sales Managers*** | ***3,476*** | ***3,609*** | ***133*** | ***3.83%*** | ***74*** | ***220*** | ***66*** | ***360*** |  |  |  |
| **11-2011** | Advertising and Promotions Managers | 68 | 68 | 0 | 0.00% | 1 | 5 | 0 | 6 | BD | <5 | None |
| **11-2021** | Marketing Managers | 975 | 1,015 | 40 | 4.10% | 20 | 62 | 20 | 102 | BD | 5+ | None |
| **11-2022** | Sales Managers | 1,945 | 2,003 | 58 | 2.98% | 40 | 124 | 29 | 193 | BD | <5 | None |
| **11-2030** | Public Relations and Fundraising Managers | 488 | 523 | 35 | 7.17% | 13 | 28 | 18 | 59 | BD | 5+ | None |
| ***11-3000*** | ***Operations Specialties Managers*** | ***16,801*** | ***17,484*** | ***683*** | ***4.07%*** | ***366*** | ***892*** | ***342*** | ***1,600*** |  |  |  |
| **11-3010** | Administrative Services and Facilities Managers | 3,266 | 3,438 | 172 | 5.27% | 95 | 168 | 86 | 349 | BD | <5 | None |
| **11-3021** | Computer and Information Systems Managers | 2,694 | 2,791 | 97 | 3.60% | 44 | 156 | 48 | 248 | BD | 5+ | None |
| **11-3031** | Financial Managers | 5,533 | 5,772 | 239 | 4.32% | 116 | 284 | 120 | 520 | BD | 5+ | None |
| **11-3051** | Industrial Production Managers | 1,905 | 1,963 | 58 | 3.04% | 38 | 91 | 29 | 158 | BD | 5+ | None |
| **11-3061** | Purchasing Managers | 747 | 766 | 19 | 2.54% | 16 | 41 | 10 | 67 | BD | 5+ | None |
| **11-3071** | Transportation, Storage, and Distribution Managers | 1,043 | 1,077 | 34 | 3.26% | 20 | 58 | 17 | 95 | HS | 5+ | None |
| **11-3111** | Compensation and Benefits Managers | 152 | 155 | 3 | 1.97% | 4 | 8 | 2 | 14 | BD | 5+ | None |
| **11-3121** | Human Resources Managers | 1,151 | 1,196 | 45 | 3.91% | 27 | 66 | 22 | 115 | BD | 5+ | None |
| **11-3131** | Training and Development Managers | 310 | 326 | 16 | 5.16% | 7 | 21 | 8 | 36 | BD | 5+ | None |
| ***11-9000*** | ***Other Management Occupations*** | ***76,540*** | ***77,140*** | ***600*** | ***0.78%*** | ***3,733*** | ***3,163*** | ***300*** | ***7,196*** |  |  |  |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 48,507 | 48,429 | -78 | -0.16% | 2,990 | 1,684 | -39 | 4,635 | HS | 5+ | None |
| **11-9021** | Construction Managers | 3,482 | 3,563 | 81 | 2.33% | 72 | 178 | 40 | 290 | BD | None | MTOJT |
| **11-9031** | Education Administrators, Preschool and Childcare Center/Program | 583 | 601 | 18 | 3.09% | 14 | 28 | 9 | 51 | BD | <5 | None |
| **11-9032** | Education Administrators, Elementary and Secondary School | 2,330 | 2,282 | -48 | -2.06% | 57 | 107 | -24 | 140 | MD | 5+ | None |
| **11-9033** | Education Administrators, Postsecondary | 1,367 | 1,346 | -21 | -1.54% | 34 | 63 | -10 | 87 | MD | <5 | None |
| **11-9039** | Education Administrators, All Other | 687 | 682 | -5 | -0.73% | 17 | 32 | -2 | 47 | BD | <5 | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **11-9041** | Architectural and Engineering Managers | 841 | 864 | 23 | 2.73% | 16 | 44 | 12 | 72 | BD | 5+ | None |
| **11-9051** | Food Service Managers | 2,894 | 2,942 | 48 | 1.66% | 90 | 233 | 24 | 347 | HS | <5 | None |
| **11-9081** | Lodging Managers | 621 | 639 | 18 | 2.90% | 24 | 44 | 9 | 77 | HS | <5 | None |
| **11-9111** | Medical and Health Services Managers | 5,822 | 6,166 | 344 | 5.91% | 150 | 304 | 172 | 626 | BD | <5 | None |
| **11-9121** | Natural Sciences Managers | 285 | 293 | 8 | 2.81% | 6 | 14 | 4 | 24 | BD | 5+ | None |
| **11-9131** | Postmasters and Mail Superintendents | 190 | 187 | -3 | -1.58% | 4 | 9 | -2 | 11 | HS | <5 | MTOJT |
| **11-9141** | Property, Real Estate, and Community Association Managers | 2,414 | 2,456 | 42 | 1.74% | 92 | 92 | 21 | 205 | HS | <5 | None |
| **11-9151** | Social and Community Service Managers | 1,681 | 1,724 | 43 | 2.56% | 51 | 91 | 22 | 164 | BD | <5 | None |
| **11-9161** | Emergency Management Directors | 151 | 152 | 1 | 0.66% | 6 | 7 | 0 | 13 | BD | 5+ | None |
| **11-9198** | Personal Service Managers; Entertainment & Recreation Managers, Except Gambling; and Managers, All  Other | 4,593 | 4,721 | 128 | 2.79% | 108 | 228 | 64 | 400 | BD | <5 | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **13-0000** | **BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS** | **65,786** | **68,381** | **2,595** | **3.94%** | **1,790** | **3,878** | **1,298** | **6,966** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***13-1000*** | ***Business Operations Specialists*** | ***45,896*** | ***47,763*** | ***1,867*** | ***4.07%*** | ***1,262*** | ***2,760*** | ***934*** | ***4,956*** |  |  |  |
| **13-1020** | Buyers and Purchasing Agents | 3,960 | 4,012 | 52 | 1.31% | 136 | 256 | 26 | 418 | BD | None | MTOJT |
| **13-1031** | Claims Adjusters, Examiners, and Investigators | 2,182 | 2,256 | 74 | 3.39% | 52 | 116 | 37 | 205 | HS | None | LTOJT |
| **13-1041** | Compliance Officers | 3,128 | 3,241 | 113 | 3.61% | 77 | 170 | 56 | 303 | BD | None | MTOJT |
| **13-1051** | Cost Estimators | 1,071 | 1,085 | 14 | 1.31% | 30 | 65 | 7 | 102 | BD | None | MTOJT |
| **13-1071** | Human Resources Specialists | 4,081 | 4,210 | 129 | 3.16% | 112 | 276 | 64 | 452 | BD | None | None |
| **13-1075** | Labor Relations Specialists | 618 | 652 | 34 | 5.50% | 17 | 42 | 17 | 76 | BD | <5 | None |
| **13-1081** | Logisticians | 1,738 | 1,896 | 158 | 9.09% | 38 | 118 | 79 | 235 | BD | None | None |
| **13-1111** | Management Analysts | 6,906 | 7,215 | 309 | 4.47% | 227 | 406 | 154 | 787 | BD | <5 | None |
| **13-1121** | Meeting, Convention, and Event Planners | 731 | 770 | 39 | 5.34% | 22 | 55 | 20 | 97 | BD | None | None |
| **13-1131** | Fundraisers | 1,428 | 1,626 | 198 | 13.87% | 48 | 97 | 99 | 244 | BD | None | None |
| **13-1141** | Compensation, Benefits, and Job Analysis Specialists | 658 | 692 | 34 | 5.17% | 20 | 40 | 17 | 77 | BD | <5 | None |
| **13-1151** | Training and Development Specialists | 3,094 | 3,208 | 114 | 3.68% | 95 | 193 | 57 | 345 | BD | <5 | None |
| **13-1161** | Market Research Analysts and Marketing Specialists | 4,608 | 4,899 | 291 | 6.32% | 112 | 348 | 146 | 606 | BD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **13-1198** | Project Management Specialists and Business Operations Specialists, All  Other | 11,665 | 11,973 | 308 | 2.64% | 274 | 580 | 154 | 1,008 | BD | None | None |
| ***13-2000*** | ***Financial Specialists*** | ***19,890*** | ***20,618*** | ***728*** | ***3.66%*** | ***528*** | ***1,118*** | ***364*** | ***2,010*** |  |  |  |
| **13-2011** | Accountants and Auditors | 8,590 | 8,902 | 312 | 3.63% | 244 | 518 | 156 | 918 | BD | None | None |
| **13-2020** | Property Appraisers and Assessors | 647 | 657 | 10 | 1.55% | 25 | 24 | 5 | 54 | BD | None | LTOJT |
| **13-2031** | Budget Analysts | 482 | 487 | 5 | 1.04% | 12 | 25 | 2 | 39 | BD | None | None |
| **13-2041** | Credit Analysts | 297 | 300 | 3 | 1.01% | 5 | 20 | 2 | 27 | BD | None | None |
| **13-2052** | Personal Financial Advisors | 1,372 | 1,378 | 6 | 0.44% | 31 | 68 | 3 | 102 | BD | None | LTOJT |
| **13-2053** | Insurance Underwriters | 2,256 | 2,527 | 271 | 12.01% | 48 | 124 | 136 | 308 | BD | None | MTOJT |
| **13-2061** | Financial Examiners | 474 | 496 | 22 | 4.64% | 13 | 22 | 11 | 46 | BD | None | LTOJT |
| **13-2071** | Credit Counselors | 109 | 112 | 3 | 2.75% | 2 | 6 | 2 | 10 | BD | None | MTOJT |
| **13-2072** | Loan Officers | 3,054 | 3,081 | 27 | 0.88% | 66 | 167 | 14 | 247 | BD | <5 | MTOJT |
| **13-2081** | Tax Examiners and Collectors, and Revenue Agents | 472 | 476 | 4 | 0.85% | 18 | 21 | 2 | 41 | BD | None | MTOJT |
| **13-2082** | Tax Preparers | 672 | 683 | 11 | 1.64% | 37 | 38 | 6 | 81 | HS | None | MTOJT |
| **13-2098** | Financial and Investment Analysts, Financial Risk Specialists, and Financial  Specialists, All Other | 1,465 | 1,519 | 54 | 3.69% | 26 | 85 | 27 | 138 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **15-0000** | **COMPUTER AND MATHEMATICAL OCCUPATIONS** | **26,345** | **27,451** | **1,106** | **4.20%** | **550** | **1,330** | **553** | **2,433** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***15-1200*** | ***Computer Occupations*** | ***25,045*** | ***26,029*** | ***984*** | ***3.93%*** | ***524*** | ***1,266*** | ***492*** | ***2,282*** |  |  |  |
| **15-1211** | Computer Systems Analysts | 2,878 | 2,973 | 95 | 3.30% | 57 | 144 | 48 | 249 | BD | None | None |
| **15-1212** | Information Security Analysts | 867 | 943 | 76 | 8.77% | 14 | 50 | 38 | 102 | BD | <5 | None |
| **15-1221** | Computer and Information Research Scientists | 65 | 67 | 2 | 3.08% | 1 | 4 | 1 | 6 | MD | None | None |
| **15-1231** | Computer Network Support Specialists | 1,309 | 1,335 | 26 | 1.99% | 25 | 70 | 13 | 108 | AD | None | None |
| **15-1232** | Computer User Support Specialists | 3,932 | 4,027 | 95 | 2.42% | 74 | 210 | 48 | 332 | SC | None | None |
| **15-1241** | Computer Network Architects | 858 | 885 | 27 | 3.15% | 12 | 40 | 14 | 66 | BD | 5+ | None |
| **15-1244** | Network and Computer Systems Administrators | 2,111 | 2,152 | 41 | 1.94% | 36 | 100 | 20 | 156 | BD | None | None |
| **15-1245** | Database Administrators and Architects | 874 | 896 | 22 | 2.52% | 20 | 44 | 11 | 75 | BD | None | None |
| **15-1251** | Computer Programmers | 1,594 | 1,604 | 10 | 0.63% | 32 | 73 | 5 | 110 | BD | None | None |
| **15-1256** | Software Developers and Software Quality Assurance Analysts and Testers | 8,782 | 9,310 | 528 | 6.01% | 210 | 444 | 264 | 918 | BD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **15-1257** | Web Developers and Digital Interface Designers | 852 | 888 | 36 | 4.23% | 20 | 42 | 18 | 80 | BD | None | None |
| **15-1299** | Computer Occupations, All Other | 923 | 949 | 26 | 2.82% | 22 | 46 | 13 | 81 | BD | None | None |
| ***15-2000*** | ***Mathematical Science Occupations*** | ***1,300*** | ***1,422*** | ***122*** | ***9.38%*** | ***27*** | ***64*** | ***61*** | ***152*** |  |  |  |
| **15-2031** | Operations Research Analysts | 384 | 417 | 33 | 8.59% | 8 | 18 | 16 | 42 | BD | None | None |
| **15-2041** | Statisticians | 521 | 567 | 46 | 8.83% | 11 | 27 | 23 | 61 | MD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **17-0000** | **ARCHITECTURE AND ENGINEERING OCCUPATIONS** | **11,771** | **12,093** | **322** | **2.74%** | **295** | **592** | **161** | **1,048** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***17-1000*** | ***Architects, Surveyors, and Cartographers*** | ***1,483*** | ***1,514*** | ***31*** | ***2.09%*** | ***44*** | ***66*** | ***16*** | ***126*** |  |  |  |
| **17-1011** | Architects, Except Landscape and Naval | 997 | 1,020 | 23 | 2.31% | 28 | 43 | 12 | 83 | BD | None | I/R |
| **17-1012** | Landscape Architects | 82 | 83 | 1 | 1.22% | 2 | 4 | 0 | 6 | BD | None | I/R |
| **17-1021** | Cartographers and Photogrammetrists | 62 | 63 | 1 | 1.61% | 2 | 3 | 0 | 5 | BD | None | None |
| **17-1022** | Surveyors | 342 | 348 | 6 | 1.75% | 12 | 17 | 3 | 32 | BD | None | I/R |
| ***17-2000*** | ***Engineers*** | ***6,928*** | ***7,153*** | ***225*** | ***3.25%*** | ***146*** | ***300*** | ***112*** | ***558*** |  |  |  |
| **17-2031** | Biomedical Engineers | 29 | 31 | 2 | 6.90% | 0 | 1 | 1 | 2 | BD | None | None |
| **17-2041** | Chemical Engineers | 136 | 144 | 8 | 5.88% | 3 | 5 | 4 | 12 | BD | None | None |
| **17-2051** | Civil Engineers | 1,467 | 1,510 | 43 | 2.93% | 30 | 74 | 22 | 126 | BD | None | None |
| **17-2061** | Computer Hardware Engineers | 241 | 247 | 6 | 2.49% | 4 | 12 | 3 | 19 | BD | None | None |
| **17-2071** | Electrical Engineers | 806 | 813 | 7 | 0.87% | 19 | 32 | 4 | 55 | BD | None | None |
| **17-2072** | Electronics Engineers, Except Computer | 308 | 319 | 11 | 3.57% | 8 | 12 | 6 | 26 | BD | None | None |
| **17-2081** | Environmental Engineers | 134 | 139 | 5 | 3.73% | 3 | 6 | 2 | 11 | BD | None | None |
| **17-2111** | Health and Safety Engineers, Except Mining Safety Engineers and Inspectors | 110 | 111 | 1 | 0.91% | 2 | 4 | 0 | 6 | BD | None | None |
| **17-2112** | Industrial Engineers | 1,634 | 1,716 | 82 | 5.02% | 36 | 67 | 41 | 144 | BD | None | None |
| **17-2131** | Materials Engineers | 161 | 171 | 10 | 6.21% | 4 | 6 | 5 | 15 | BD | None | None |
| **17-2141** | Mechanical Engineers | 1,248 | 1,287 | 39 | 3.13% | 22 | 52 | 20 | 94 | BD | None | None |
| **17-2151** | Mining and Geological Engineers, Including Mining Safety Engineers | 26 | 26 | 0 | 0.00% | 0 | 1 | 0 | 1 | BD | None | None |
| **17-2171** | Petroleum Engineers | 40 | 41 | 1 | 2.50% | 1 | 2 | 0 | 3 | BD | None | None |
| **17-2199** | Engineers, All Other | 433 | 444 | 11 | 2.54% | 10 | 18 | 6 | 34 | BD | None | None |
| ***17-3000*** | ***Drafters, Engineering Technicians, and Mapping Technicians*** | ***3,360*** | ***3,426*** | ***66*** | ***1.96%*** | ***106*** | ***226*** | ***33*** | ***365*** |  |  |  |
| **17-3011** | Architectural and Civil Drafters | 585 | 596 | 11 | 1.88% | 18 | 38 | 6 | 62 | AD | None | None |
| **17-3012** | Electrical and Electronics Drafters | 95 | 93 | -2 | -2.11% | 3 | 6 | -1 | 8 | AD | None | None |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **17-3013** | Mechanical Drafters | 273 | 279 | 6 | 2.20% | 8 | 18 | 3 | 29 | AD | None | None |
| **17-3022** | Civil Engineering Technicians | 251 | 256 | 5 | 1.99% | 8 | 16 | 2 | 26 | AD | None | None |
| **17-3023** | Electrical and Electronics Engineering Technicians | 327 | 333 | 6 | 1.83% | 10 | 20 | 3 | 33 | AD | None | None |
| **17-3025** | Environmental Engineering Technicians | 256 | 257 | 1 | 0.39% | 8 | 16 | 0 | 24 | AD | None | None |
| **17-3026** | Industrial Engineering Technicians | 486 | 502 | 16 | 3.29% | 15 | 30 | 8 | 53 | AD | None | None |
| **17-3027** | Mechanical Engineering Technicians | 97 | 100 | 3 | 3.09% | 3 | 6 | 2 | 11 | AD | None | None |
| **17-3031** | Surveying and Mapping Technicians | 593 | 604 | 11 | 1.85% | 21 | 52 | 6 | 79 | HS | None | MTOJT |
| **17-3098** | Calibration and Engineering Technologists and Technicians, Except  Drafters, All Other | 359 | 369 | 10 | 2.79% | 11 | 22 | 5 | 38 | AD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **19-0000** | **LIFE, PHYSICAL, AND SOCIAL SCIENCE OCCUPATIONS** | **8,390** | **8,527** | **137** | **1.63%** | **182** | **612** | **68** | **862** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***19-1000*** | ***Life Scientists*** | ***2,255*** | ***2,310*** | ***55*** | ***2.44%*** | ***42*** | ***165*** | ***28*** | ***235*** |  |  |  |
| **19-1012** | Food Scientists and Technologists | 414 | 431 | 17 | 4.11% | 9 | 35 | 8 | 52 | BD | None | None |
| **19-1013** | Soil and Plant Scientists | 190 | 195 | 5 | 2.63% | 4 | 16 | 2 | 22 | BD | None | None |
| **19-1022** | Microbiologists | 305 | 311 | 6 | 1.97% | 5 | 22 | 3 | 30 | BD | None | None |
| **19-1029** | Biological Scientists, All Other | 273 | 275 | 2 | 0.73% | 4 | 20 | 1 | 25 | BD | None | None |
| **19-1031** | Conservation Scientists | 192 | 193 | 1 | 0.52% | 4 | 14 | 0 | 18 | BD | None | None |
| **19-1032** | Foresters | 354 | 358 | 4 | 1.13% | 7 | 26 | 2 | 35 | BD | None | None |
| **19-1041** | Epidemiologists | 48 | 51 | 3 | 6.25% | 0 | 3 | 2 | 5 | MD | None | None |
| **19-1042** | Medical Scientists, Except Epidemiologists | 236 | 247 | 11 | 4.66% | 3 | 14 | 6 | 23 | DD | None | None |
| ***19-2000*** | ***Physical Scientists*** | ***843*** | ***843*** | ***0*** | ***0.00%*** | ***13*** | ***62*** | ***0*** | ***75*** |  |  |  |
| **19-2021** | Atmospheric and Space Scientists | 47 | 45 | -2 | -4.26% | 0 | 3 | -1 | 2 | BD | None | None |
| **19-2031** | Chemists | 353 | 356 | 3 | 0.85% | 5 | 26 | 2 | 33 | BD | None | None |
| **19-2041** | Environmental Scientists and Specialists, Including Health | 198 | 200 | 2 | 1.01% | 4 | 16 | 1 | 21 | BD | None | None |
| **19-2042** | Geoscientists, Except Hydrologists and Geographers | 123 | 123 | 0 | 0.00% | 2 | 10 | 0 | 12 | BD | None | None |
| **19-2099** | Physical Scientists, All Other | 35 | 35 | 0 | 0.00% | 0 | 2 | 0 | 2 | BD | None | None |
| ***19-3000*** | ***Social Scientists and Related Workers*** | ***1,675*** | ***1,692*** | ***17*** | ***1.01%*** | ***40*** | ***79*** | ***8*** | ***127*** |  |  |  |
| **19-3011** | Economists | 83 | 84 | 1 | 1.20% | 2 | 4 | 0 | 6 | MD | None | None |
| **19-3031** | Clinical, Counseling, and School Psychologists | 820 | 826 | 6 | 0.73% | 22 | 32 | 3 | 57 | DD | None | I/R |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **19-3039** | Psychologists, All Other | 326 | 327 | 1 | 0.31% | 8 | 13 | 0 | 21 | MD | None | I/R |
| **19-3051** | Urban and Regional Planners | 188 | 197 | 9 | 4.79% | 3 | 14 | 4 | 21 | MD | None | None |
| **19-3091** | Anthropologists and Archeologists | 32 | 32 | 0 | 0.00% | 0 | 2 | 0 | 2 | MD | None | None |
| **19-3099** | Social Scientists and Related Workers, All Other | 187 | 187 | 0 | 0.00% | 4 | 12 | 0 | 16 | BD | None | None |
| ***19-4000*** | ***Life, Physical, and Social Science Technicians*** | ***2,787*** | ***2,836*** | ***49*** | ***1.76%*** | ***65*** | ***270*** | ***24*** | ***359*** |  |  |  |
| **19-4010** | Agricultural and Food Science Technicians | 525 | 537 | 12 | 2.29% | 12 | 56 | 6 | 74 | AD | None | MTOJT |
| **19-4021** | Biological Technicians | 359 | 364 | 5 | 1.39% | 8 | 36 | 2 | 46 | BD | None | None |
| **19-4031** | Chemical Technicians | 571 | 590 | 19 | 3.33% | 10 | 52 | 10 | 72 | AD | None | MTOJT |
| **19-4042** | Environmental Science and Protection Technicians, Including Health | 135 | 138 | 3 | 2.22% | 4 | 13 | 2 | 19 | AD | None | None |
| **19-4061** | Social Science Research Assistants | 84 | 85 | 1 | 1.19% | 2 | 8 | 0 | 10 | BD | None | None |
| **19-4071** | Forest and Conservation Technicians | 266 | 268 | 2 | 0.75% | 7 | 25 | 1 | 33 | AD | None | None |
| **19-4092** | Forensic Science Technicians | 172 | 178 | 6 | 3.49% | 4 | 16 | 3 | 23 | BD | None | MTOJT |
| **19-4099** | Life, Physical, and Social Science Technicians, All Other | 624 | 625 | 1 | 0.16% | 16 | 58 | 0 | 74 | AD | None | None |
| ***19-5000*** | ***Occupational Health and Safety Specialists and Technicians*** | ***830*** | ***846*** | ***16*** | ***1.93%*** | ***23*** | ***36*** | ***8*** | ***67*** |  |  |  |
| **19-5011** | Occupational Health and Safety Specialists | 666 | 679 | 13 | 1.95% | 18 | 29 | 6 | 53 | BD | None | None |
| **19-5012** | Occupational Health and Safety Technicians | 164 | 167 | 3 | 1.83% | 4 | 7 | 2 | 13 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **21-0000** | **COMMUNITY AND SOCIAL SERVICE OCCUPATIONS** | **30,153** | **31,639** | **1,486** | **4.93%** | **1,162** | **1,966** | **743** | **3,871** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***21-1000*** | ***Counselors, Social Workers, and Other Community and Social Service***  ***Specialists*** | ***15,660*** | ***15,970*** | ***310*** | ***1.98%*** | ***516*** | ***1,034*** | ***155*** | ***1,705*** |  |  |  |
| **21-1012** | Educational, Guidance, School, and Vocational Counselors | 2,203 | 2,183 | -20 | -0.91% | 72 | 130 | -10 | 192 | MD | None | None |
| **21-1013** | Marriage and Family Therapists | 102 | 102 | 0 | 0.00% | 4 | 6 | 0 | 10 | MD | None | I/R |
| **21-1015** | Rehabilitation Counselors | 657 | 662 | 5 | 0.76% | 22 | 39 | 2 | 63 | MD | None | None |
| **21-1018** | Substance Abuse, Behavioral Disorder, and Mental Health Counselors | 1,905 | 1,946 | 41 | 2.15% | 62 | 114 | 20 | 196 | BD | None | None |
| **21-1019** | Counselors, All Other | 245 | 245 | 0 | 0.00% | 8 | 14 | 0 | 22 | MD | None | None |

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| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **21-1021** | Child, Family, and School Social Workers | 1,209 | 1,214 | 5 | 0.41% | 34 | 76 | 2 | 112 | BD | None | None |
| **21-1022** | Healthcare Social Workers | 1,328 | 1,344 | 16 | 1.20% | 38 | 84 | 8 | 130 | MD | None | I/R |
| **21-1023** | Mental Health and Substance Abuse Social Workers | 986 | 1,001 | 15 | 1.52% | 28 | 63 | 8 | 99 | MD | None | I/R |
| **21-1029** | Social Workers, All Other | 850 | 870 | 20 | 2.35% | 24 | 54 | 10 | 88 | BD | None | None |
| **21-1091** | Health Educators | 223 | 229 | 6 | 2.69% | 8 | 16 | 3 | 27 | BD | None | None |
| **21-1092** | Probation Officers and Correctional Treatment Specialists | 995 | 1,005 | 10 | 1.01% | 22 | 60 | 5 | 87 | BD | None | STOJT |
| **21-1093** | Social and Human Service Assistants | 4,155 | 4,308 | 153 | 3.68% | 168 | 320 | 76 | 564 | HS | None | STOJT |
| **21-1094** | Community Health Workers | 281 | 289 | 8 | 2.85% | 10 | 20 | 4 | 34 | HS | None | STOJT |
| **21-1099** | Community and Social Service Specialists, All Other | 521 | 572 | 51 | 9.79% | 18 | 38 | 26 | 82 | BD | None | None |
| ***21-2000*** | ***Religious Workers*** | ***14,493*** | ***15,669*** | ***1,176*** | ***8.11%*** | ***646*** | ***932*** | ***588*** | ***2,166*** |  |  |  |
| **21-2011** | Clergy | 10,334 | 11,167 | 833 | 8.06% | 441 | 621 | 416 | 1,478 | BD | None | MTOJT |
| **21-2021** | Directors, Religious Activities and Education | 2,585 | 2,798 | 213 | 8.24% | 107 | 196 | 106 | 409 | BD | <5 | None |
| **21-2099** | Religious Workers, All Other | 1,574 | 1,704 | 130 | 8.26% | 98 | 116 | 65 | 279 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **23-0000** | **LEGAL OCCUPATIONS** | **7,271** | **7,457** | **186** | **2.56%** | **209** | **304** | **93** | **606** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***23-1000*** | ***Lawyers, Judges, and Related Workers*** | ***4,296*** | ***4,401*** | ***105*** | ***2.44%*** | ***94*** | ***108*** | ***52*** | ***254*** |  |  |  |
| **23-1011** | Lawyers | 3,745 | 3,846 | 101 | 2.70% | 82 | 94 | 50 | 226 | DD | None | None |
| **23-1021** | Administrative Law Judges, Adjudicators, and Hearing Officers | 242 | 244 | 2 | 0.83% | 6 | 6 | 1 | 13 | DD | 5+ | STOJT |
| **23-1023** | Judges, Magistrate Judges, and Magistrates | 252 | 255 | 3 | 1.19% | 6 | 6 | 2 | 14 | DD | 5+ | STOJT |
| ***23-2000*** | ***Legal Support Workers*** | ***2,975*** | ***3,056*** | ***81*** | ***2.72%*** | ***114*** | ***197*** | ***40*** | ***351*** |  |  |  |
| **23-2011** | Paralegals and Legal Assistants | 2,266 | 2,332 | 66 | 2.91% | 89 | 155 | 33 | 277 | AD | None | None |
| **23-2093** | Title Examiners, Abstractors, and Searchers | 607 | 620 | 13 | 2.14% | 22 | 36 | 6 | 64 | HS | None | MTOJT |
| **23-2099** | Legal Support Workers, All Other | 102 | 104 | 2 | 1.96% | 4 | 6 | 1 | 11 | AD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **25-0000** | **EDUCATION, TRAINING, AND LIBRARY OCCUPATIONS** | **82,156** | **81,485** | **-671** | **-0.82%** | **3,268** | **3,699** | **-336** | **6,631** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***25-1000*** | ***Postsecondary Teachers*** | ***11,634*** | ***11,528*** | ***-106*** | ***-0.91%*** | ***518*** | ***541*** | ***-53*** | ***1,006*** |  |  |  |

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| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **25-1011** | Business Teachers, Postsecondary | 517 | 506 | -11 | -2.13% | 23 | 24 | -6 | 41 | DD | None | None |
| **25-1021** | Computer Science Teachers, Postsecondary | 380 | 373 | -7 | -1.84% | 17 | 18 | -4 | 31 | DD | None | None |
| **25-1022** | Mathematical Science Teachers, Postsecondary | 544 | 532 | -12 | -2.21% | 24 | 25 | -6 | 43 | DD | None | None |
| **25-1032** | Engineering Teachers, Postsecondary | 312 | 309 | -3 | -0.96% | 14 | 14 | -2 | 26 | DD | None | None |
| **25-1041** | Agricultural Sciences Teachers, Postsecondary | 158 | 158 | 0 | 0.00% | 7 | 8 | 0 | 15 | DD | None | None |
| **25-1042** | Biological Science Teachers, Postsecondary | 1,690 | 1,698 | 8 | 0.47% | 76 | 79 | 4 | 159 | DD | None | None |
| **25-1051** | Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary | 54 | 53 | -1 | -1.85% | 2 | 2 | 0 | 4 | DD | None | None |
| **25-1052** | Chemistry Teachers, Postsecondary | 255 | 252 | -3 | -1.18% | 12 | 12 | -2 | 22 | DD | None | None |
| **25-1054** | Physics Teachers, Postsecondary | 131 | 129 | -2 | -1.53% | 6 | 6 | -1 | 11 | DD | None | None |
| **25-1061** | Anthropology and Archeology Teachers, Postsecondary | 24 | 24 | 0 | 0.00% | 1 | 1 | 0 | 2 | DD | None | None |
| **25-1063** | Economics Teachers, Postsecondary | 118 | 118 | 0 | 0.00% | 6 | 6 | 0 | 12 | DD | None | None |
| **25-1065** | Political Science Teachers, Postsecondary | 125 | 124 | -1 | -0.80% | 6 | 6 | 0 | 12 | DD | None | None |
| **25-1066** | Psychology Teachers, Postsecondary | 235 | 233 | -2 | -0.85% | 10 | 11 | -1 | 20 | DD | None | None |
| **25-1067** | Sociology Teachers, Postsecondary | 138 | 137 | -1 | -0.72% | 6 | 6 | 0 | 12 | DD | None | None |
| **25-1069** | Social Sciences Teachers, Postsecondary, All Other | 256 | 247 | -9 | -3.52% | 11 | 12 | -4 | 19 | DD | None | None |
| **25-1071** | Health Specialties Teachers, Postsecondary | 728 | 736 | 8 | 1.10% | 32 | 34 | 4 | 70 | DD | <5 | None |
| **25-1072** | Nursing Instructors and Teachers, Postsecondary | 591 | 593 | 2 | 0.34% | 26 | 28 | 1 | 55 | DD | <5 | None |
| **25-1081** | Education Teachers, Postsecondary | 621 | 611 | -10 | -1.61% | 28 | 29 | -5 | 52 | DD | <5 | None |
| **25-1082** | Library Science Teachers, Postsecondary | 45 | 44 | -1 | -2.22% | 2 | 2 | 0 | 4 | DD | None | None |
| **25-1111** | Criminal Justice and Law Enforcement Teachers, Postsecondary | 101 | 100 | -1 | -0.99% | 4 | 4 | 0 | 8 | DD | None | None |
| **25-1112** | Law Teachers, Postsecondary | 101 | 101 | 0 | 0.00% | 4 | 4 | 0 | 8 | DD | <5 | None |
| **25-1113** | Social Work Teachers, Postsecondary | 321 | 317 | -4 | -1.25% | 14 | 15 | -2 | 27 | DD | None | None |
| **25-1121** | Art, Drama, and Music Teachers, Postsecondary | 885 | 877 | -8 | -0.90% | 40 | 41 | -4 | 77 | MD | None | None |
| **25-1122** | Communications Teachers, Postsecondary | 463 | 452 | -11 | -2.38% | 20 | 22 | -6 | 36 | DD | None | None |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **25-1123** | English Language and Literature Teachers, Postsecondary | 527 | 522 | -5 | -0.95% | 24 | 24 | -2 | 46 | DD | None | None |
| **25-1124** | Foreign Language and Literature Teachers, Postsecondary | 193 | 191 | -2 | -1.04% | 8 | 9 | -1 | 16 | DD | None | None |
| **25-1125** | History Teachers, Postsecondary | 208 | 205 | -3 | -1.44% | 9 | 10 | -2 | 17 | DD | None | None |
| **25-1126** | Philosophy and Religion Teachers, Postsecondary | 125 | 124 | -1 | -0.80% | 6 | 6 | 0 | 12 | DD | None | None |
| **25-1192** | Home Economics Teachers, Postsecondary | 31 | 30 | -1 | -3.23% | 2 | 2 | 0 | 4 | DD | None | None |
| **25-1193** | Recreation and Fitness Studies Teachers, Postsecondary | 136 | 134 | -2 | -1.47% | 6 | 6 | -1 | 11 | DD | None | None |
| **25-1194** | Vocational Education Teachers, Postsecondary | 864 | 853 | -11 | -1.27% | 38 | 40 | -6 | 72 | BD | <5 | None |
| **25-1199** | Postsecondary Teachers, All Other | 691 | 680 | -11 | -1.59% | 30 | 32 | -6 | 56 | DD | None | None |
| ***25-2000*** | ***Preschool, Primary, Secondary, and Special Education School Teachers*** | ***41,273*** | ***40,642*** | ***-631*** | ***-1.53%*** | ***1,268*** | ***1,747*** | ***-316*** | ***2,699*** |  |  |  |
| **25-2011** | Preschool Teachers, Except Special Education | 4,011 | 4,186 | 175 | 4.36% | 168 | 239 | 88 | 495 | AD | None | None |
| **25-2012** | Kindergarten Teachers, Except Special Education | 1,483 | 1,452 | -31 | -2.09% | 60 | 86 | -16 | 130 | BD | None | None |
| **25-2021** | Elementary School Teachers, Except Special Education | 12,824 | 12,541 | -283 | -2.21% | 389 | 508 | -142 | 755 | BD | None | None |
| **25-2022** | Middle School Teachers, Except Special and Career/Technical Education | 5,831 | 5,706 | -125 | -2.14% | 177 | 231 | -62 | 346 | BD | None | None |
| **25-2023** | Career/Technical Education Teachers, Middle School | 27 | 26 | -1 | -3.70% | 1 | 1 | 0 | 2 | BD | <5 | None |
| **25-2031** | Secondary School Teachers, Except Special and Career/Technical Education | 11,961 | 11,697 | -264 | -2.21% | 314 | 480 | -132 | 662 | BD | None | None |
| **25-2032** | Career/Technical Education Teachers, Secondary School | 1,134 | 1,107 | -27 | -2.38% | 30 | 46 | -14 | 62 | BD | <5 | None |
| **25-2051** | Special Education Teachers, Preschool | 329 | 335 | 6 | 1.82% | 11 | 13 | 3 | 27 | BD | None | None |
| **25-2052** | Special Education Teachers, Kindergarten and Elementary School | 1,354 | 1,324 | -30 | -2.22% | 44 | 54 | -15 | 83 | BD | None | None |
| **25-2057** | Special Education Teachers, Middle School | 984 | 961 | -23 | -2.34% | 32 | 38 | -12 | 58 | BD | None | None |
| **25-2058** | Special Education Teachers, Secondary School | 1,255 | 1,228 | -27 | -2.15% | 40 | 50 | -14 | 76 | BD | None | None |
| **25-2059** | Special Education Teachers, All Other | 80 | 79 | -1 | -1.25% | 2 | 3 | 0 | 5 | BD | None | None |
| ***25-3000*** | ***Other Teachers and Instructors*** | ***7,454*** | ***7,792*** | ***338*** | ***4.53%*** | ***455*** | ***408*** | ***169*** | ***1,032*** |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **25-3011** | Adult Basic and Secondary Education and Literacy Teachers and Instructors | 252 | 242 | -10 | -3.97% | 14 | 13 | -5 | 22 | BD | None | None |
| **25-3021** | Self-Enrichment Education Teachers | 986 | 1,043 | 57 | 5.78% | 60 | 54 | 28 | 142 | HS | <5 | None |
| **25-3031** | Substitute Teachers, Short-Term | 3,919 | 4,203 | 284 | 7.25% | 242 | 218 | 142 | 602 | BD | None | None |
| **25-3097** | Teachers and Instructors, All Other, Except Substitute Teachers | 2,297 | 2,304 | 7 | 0.30% | 138 | 124 | 4 | 266 | BD | None | None |
| ***25-4000*** | ***Librarians, Curators, and Archivists*** | ***2,337*** | ***2,318*** | ***-19*** | ***-0.81%*** | ***136*** | ***116*** | ***-10*** | ***242*** |  |  |  |
| **25-4011** | Archivists | 60 | 63 | 3 | 5.00% | 3 | 4 | 2 | 9 | MD | None | None |
| **25-4012** | Curators | 108 | 112 | 4 | 3.70% | 6 | 6 | 2 | 14 | MD | None | None |
| **25-4013** | Museum Technicians and Conservators | 69 | 69 | 0 | 0.00% | 4 | 4 | 0 | 8 | BD | None | None |
| **25-4022** | Librarians and Media Collections Specialists | 1,462 | 1,443 | -19 | -1.30% | 72 | 64 | -10 | 126 | MD | None | None |
| **25-4031** | Library Technicians | 638 | 631 | -7 | -1.10% | 52 | 39 | -4 | 87 | PS | None | None |
| ***25-9000*** | ***Other Education, Training, and Library Occupations*** | ***19,458*** | ***19,205*** | ***-253*** | ***-1.30%*** | ***891*** | ***886*** | ***-126*** | ***1,651*** |  |  |  |
| **25-9021** | Farm and Home Management Advisors | 218 | 218 | 0 | 0.00% | 10 | 10 | 0 | 20 | MD | None | None |
| **25-9031** | Instructional Coordinators | 1,407 | 1,398 | -9 | -0.64% | 69 | 62 | -4 | 127 | MD | 5+ | None |
| **25-9044** | Teaching Assistants, Postsecondary | 2,953 | 2,905 | -48 | -1.63% | 131 | 137 | -24 | 244 | BD | None | None |
| **25-9045** | Teaching Assistants, Except Postsecondary | 10,602 | 10,494 | -108 | -1.02% | 472 | 493 | -54 | 911 | SC | None | None |
| **25-9099** | Education, Training, and Library Workers, All Other | 4,278 | 4,190 | -88 | -2.06% | 208 | 185 | -44 | 349 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **27-0000** | **ARTS, DESIGN, ENTERTAINMENT, SPORTS, AND MEDIA OCCUPATIONS** | **14,982** | **15,554** | **572** | **3.82%** | **594** | **962** | **286** | **1,842** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***27-1000*** | ***Art and Design Workers*** | ***4,565*** | ***4,674*** | ***109*** | ***2.39%*** | ***149*** | ***272*** | ***54*** | ***475*** |  |  |  |
| **27-1011** | Art Directors | 138 | 142 | 4 | 2.90% | 7 | 8 | 2 | 17 | BD | 5+ | None |
| **27-1014** | Multimedia Artists and Animators | 145 | 149 | 4 | 2.76% | 7 | 8 | 2 | 17 | BD | None | None |
| **27-1019** | Artists and Related Workers, All Other | 32 | 32 | 0 | 0.00% | 2 | 2 | 0 | 4 | NFE | None | LTOJT |
| **27-1021** | Commercial and Industrial Designers | 237 | 244 | 7 | 2.95% | 8 | 14 | 4 | 26 | BD | None | None |
| **27-1022** | Fashion Designers | 228 | 236 | 8 | 3.51% | 7 | 14 | 4 | 25 | BD | None | None |
| **27-1023** | Floral Designers | 303 | 296 | -7 | -2.31% | 9 | 18 | -4 | 23 | HS | None | MTOJT |
| **27-1024** | Graphic Designers | 1,137 | 1,163 | 26 | 2.29% | 35 | 68 | 13 | 116 | BD | None | None |
| **27-1025** | Interior Designers | 845 | 862 | 17 | 2.01% | 26 | 51 | 8 | 85 | BD | None | None |
| **27-1027** | Set and Exhibit Designers | 73 | 74 | 1 | 1.37% | 2 | 4 | 0 | 6 | BD | None | None |
| **27-1029** | Designers, All Other | 47 | 48 | 1 | 2.13% | 2 | 3 | 0 | 5 | BD | None | None |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***27-2000*** | ***Entertainers and Performers, Sports and Related Workers*** | ***5,126*** | ***5,440*** | ***314*** | ***6.13%*** | ***280*** | ***355*** | ***157*** | ***792*** |  |  |  |
| **27-2011** | Actors | 714 | 766 | 52 | 7.28% | 31 | 49 | 26 | 106 | SC | None | LTOJT |
| **27-2012** | Producers and Directors | 378 | 379 | 1 | 0.26% | 8 | 24 | 0 | 32 | BD | <5 | None |
| **27-2022** | Coaches and Scouts | 1,437 | 1,496 | 59 | 4.11% | 84 | 118 | 30 | 232 | BD | None | None |
| **27-2041** | Music Directors and Composers | 451 | 488 | 37 | 8.20% | 28 | 26 | 18 | 72 | BD | <5 | None |
| **27-2042** | Musicians and Singers | 1,683 | 1,816 | 133 | 7.90% | 103 | 98 | 66 | 267 | NFE | None | LTOJT |
| **27-2090** | Miscellaneous Entertainers and Performers, Sports and Related Workers | 42 | 44 | 2 | 4.76% | 2 | 2 | 1 | 5 | NFE | None | STOJT |
| ***27-3000*** | ***Media and Communication Workers*** | ***3,951*** | ***4,067*** | ***116*** | ***2.94%*** | ***123*** | ***250*** | ***58*** | ***431*** |  |  |  |
| **27-3011** | Radio and Television Announcers | 229 | 220 | -9 | -3.93% | 8 | 12 | -4 | 16 | BD | None | None |
| **27-3023** | News Analysts, Reporters, and Journalists | 276 | 250 | -26 | -9.42% | 8 | 20 | -13 | 15 | BD | None | None |
| **27-3031** | Public Relations Specialists | 1,832 | 1,967 | 135 | 7.37% | 48 | 124 | 68 | 240 | BD | None | None |
| **27-3041** | Editors | 358 | 331 | -27 | -7.54% | 12 | 22 | -14 | 20 | BD | <5 | None |
| **27-3043** | Writers and Authors | 423 | 436 | 13 | 3.07% | 17 | 24 | 6 | 47 | BD | None | LTOJT |
| **27-3091** | Interpreters and Translators | 393 | 414 | 21 | 5.34% | 16 | 22 | 10 | 48 | BD | None | None |
| **27-3092** | Court Reporters and Simultaneous Captioners | 245 | 249 | 4 | 1.63% | 9 | 14 | 2 | 25 | PS | None | STOJT |
| ***27-4000*** | ***Media and Communication Equipment Workers*** | ***1,340*** | ***1,373*** | ***33*** | ***2.46%*** | ***42*** | ***84*** | ***16*** | ***142*** |  |  |  |
| **27-4011** | Audio and Video Equipment Technicians | 209 | 210 | 1 | 0.48% | 6 | 16 | 0 | 22 | PS | None | STOJT |
| **27-4012** | Broadcast Technicians | 168 | 163 | -5 | -2.98% | 4 | 12 | -2 | 14 | AD | None | STOJT |
| **27-4021** | Photographers | 802 | 831 | 29 | 3.62% | 28 | 46 | 14 | 88 | HS | None | MTOJT |
| **27-4031** | Camera Operators, Television, Video, and Motion Picture | 62 | 64 | 2 | 3.23% | 2 | 4 | 1 | 7 | BD | None | None |
| **27-4032** | Film and Video Editors | 70 | 73 | 3 | 4.29% | 2 | 4 | 2 | 8 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **29-0000** | **HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS** | **89,263** | **91,470** | **2,207** | **2.47%** | **2,344** | **2,832** | **1,104** | **6,280** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***29-1000*** | ***Health Diagnosing and Treating Practitioners*** | ***52,004*** | ***53,323*** | ***1,319*** | ***2.54%*** | ***1,248*** | ***1,242*** | ***660*** | ***3,150*** |  |  |  |
| **29-1011** | Chiropractors | 309 | 316 | 7 | 2.27% | 4 | 2 | 4 | 10 | DD | None | None |
| **29-1021** | Dentists, General | 920 | 940 | 20 | 2.17% | 17 | 8 | 10 | 35 | DD | None | None |
| **29-1029** | Dentists, All Other Specialists | 23 | 23 | 0 | 0.00% | 0 | 0 | 0 | 0 | DD | None | I/R |
| **29-1031** | Dietitians and Nutritionists | 600 | 612 | 12 | 2.00% | 20 | 21 | 6 | 47 | BD | None | I/R |
| **29-1041** | Optometrists | 411 | 421 | 10 | 2.43% | 8 | 5 | 5 | 18 | DD | None | None |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **29-1051** | Pharmacists | 3,091 | 3,146 | 55 | 1.78% | 58 | 60 | 28 | 146 | DD | None | None |
| **29-1071** | Physician Assistants | 600 | 638 | 38 | 6.33% | 10 | 24 | 19 | 53 | MD | None | None |
| **29-1081** | Podiatrists | 66 | 67 | 1 | 1.52% | 2 | 3 | 0 | 5 | DD | None | I/R |
| **29-1122** | Occupational Therapists | 1,261 | 1,300 | 39 | 3.09% | 28 | 42 | 20 | 90 | MD | None | None |
| **29-1123** | Physical Therapists | 2,131 | 2,225 | 94 | 4.41% | 43 | 45 | 47 | 135 | DD | None | None |
| **29-1124** | Radiation Therapists | 99 | 100 | 1 | 1.01% | 2 | 3 | 0 | 5 | AD | None | None |
| **29-1125** | Recreational Therapists | 35 | 35 | 0 | 0.00% | 1 | 2 | 0 | 3 | BD | None | None |
| **29-1126** | Respiratory Therapists | 1,498 | 1,557 | 59 | 3.94% | 32 | 38 | 30 | 100 | AD | None | None |
| **29-1127** | Speech-Language Pathologists | 2,110 | 2,223 | 113 | 5.36% | 50 | 78 | 56 | 184 | MD | None | I/R |
| **29-1128** | Exercise Physiologists | 39 | 40 | 1 | 2.56% | 1 | 2 | 0 | 3 | BD | None | None |
| **29-1129** | Therapists, All Other | 239 | 248 | 9 | 3.77% | 8 | 8 | 4 | 20 | BD | None | None |
| **29-1131** | Veterinarians | 500 | 520 | 20 | 4.00% | 8 | 8 | 10 | 26 | DD | None | None |
| **29-1141** | Registered Nurses | 26,125 | 26,518 | 393 | 1.50% | 702 | 662 | 196 | 1,560 | BD | None | None |
| **29-1171** | Nurse Practitioners | 2,851 | 3,145 | 294 | 10.31% | 62 | 94 | 147 | 303 | MD | None | None |
| **29-1181** | Audiologists | 146 | 149 | 3 | 2.05% | 3 | 3 | 2 | 8 | DD | None | None |
| **29-1215** | Family Medicine Physicians | 1,616 | 1,655 | 39 | 2.41% | 26 | 18 | 20 | 64 | DD | None | I/R |
| **29-1216** | General Internal Medicine Physicians | 144 | 144 | 0 | 0.00% | 2 | 2 | 0 | 4 | DD | None | I/R |
| **29-1218** | Obstetricians and Gynecologists | 135 | 134 | -1 | -0.74% | 2 | 2 | 0 | 4 | DD | None | I/R |
| **29-1221** | Pediatricians, General | 86 | 86 | 0 | 0.00% | 2 | 1 | 0 | 3 | DD | None | I/R |
| **29-1223** | Psychiatrists | 140 | 142 | 2 | 1.43% | 2 | 2 | 1 | 5 | DD | None | I/R |
| **29-1228** | Physicians, All Other; and Ophthalmologists, Except Pediatric | 3,971 | 4,012 | 41 | 1.03% | 64 | 45 | 20 | 129 | DD | None | I/R |
| **29-1248** | Surgeons, Except Ophthalmologists | 139 | 138 | -1 | -0.72% | 2 | 2 | 0 | 4 | DD | None | I/R |
| **29-1292** | Dental Hygienists | 1,692 | 1,743 | 51 | 3.01% | 62 | 43 | 26 | 131 | AD | None | None |
| **29-1298** | Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other | 316 | 319 | 3 | 0.95% | 14 | 5 | 2 | 21 | MD | None | None |
| ***29-2000*** | ***Health Technologists and Technicians*** | ***31,723*** | ***32,327*** | ***604*** | ***1.90%*** | ***940*** | ***1,346*** | ***302*** | ***2,588*** |  |  |  |
| **29-2010** | Clinical Laboratory Technologists and Technicians | 2,681 | 2,715 | 34 | 1.27% | 70 | 100 | 17 | 187 | BD | None | None |
| **29-2031** | Cardiovascular Technologists and Technicians | 496 | 499 | 3 | 0.60% | 14 | 22 | 2 | 38 | AD | None | None |
| **29-2032** | Diagnostic Medical Sonographers | 457 | 473 | 16 | 3.50% | 12 | 20 | 8 | 40 | AD | None | None |
| **29-2033** | Nuclear Medicine Technologists | 201 | 203 | 2 | 1.00% | 6 | 8 | 1 | 15 | AD | None | None |
| **29-2034** | Radiologic Technologists | 2,015 | 2,042 | 27 | 1.34% | 56 | 87 | 14 | 157 | AD | None | None |
| **29-2035** | Magnetic Resonance Imaging Technologists | 334 | 335 | 1 | 0.30% | 9 | 14 | 0 | 23 | AD | <5 | None |

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| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **29-2040** | Emergency Medical Technicians and Paramedics | 1,838 | 1,864 | 26 | 1.41% | 34 | 86 | 13 | 133 | PS | None | None |
| **29-2051** | Dietetic Technicians | 92 | 93 | 1 | 1.09% | 2 | 4 | 0 | 6 | AD | None | None |
| **29-2052** | Pharmacy Technicians | 4,669 | 4,849 | 180 | 3.86% | 130 | 204 | 90 | 424 | HS | None | MTOJT |
| **29-2053** | Psychiatric Technicians | 794 | 813 | 19 | 2.39% | 22 | 34 | 10 | 66 | PS | <5 | STOJT |
| **29-2055** | Surgical Technologists | 1,327 | 1,342 | 15 | 1.13% | 36 | 58 | 8 | 102 | PS | None | None |
| **29-2056** | Veterinary Technologists and Technicians | 521 | 539 | 18 | 3.45% | 14 | 23 | 9 | 46 | AD | None | None |
| **29-2057** | Ophthalmic Medical Technicians | 517 | 532 | 15 | 2.90% | 14 | 22 | 8 | 44 | PS | None | None |
| **29-2061** | Licensed Practical and Licensed Vocational Nurses | 11,706 | 11,858 | 152 | 1.30% | 398 | 492 | 76 | 966 | PS | None | None |
| **29-2081** | Opticians, Dispensing | 754 | 776 | 22 | 2.92% | 32 | 26 | 11 | 69 | HS | None | LTOJT |
| **29-2098** | Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other | 3,183 | 3,251 | 68 | 2.14% | 88 | 138 | 34 | 260 | PS | None | None |
| ***29-9000*** | ***Other Healthcare Practitioners and***  ***Technical Occupations*** | ***5,536*** | ***5,820*** | ***284*** | ***5.13%*** | ***155*** | ***244*** | ***142*** | ***541*** |  |  |  |
| **29-9098** | Health Information Technologists, Medical Registrars, Surgical Assistants,  & Healthcare Practitioners, AO | 5,348 | 5,625 | 277 | 5.18% | 150 | 236 | 138 | 524 | PS | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **31-0000** | **HEALTHCARE SUPPORT OCCUPATIONS** | **57,398** | **58,144** | **746** | **1.30%** | **3,419** | **3,560** | **373** | **7,352** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***31-1100*** | ***Home Health and Personal Care***  ***Aides; and Nursing Assistants, Orderlies, and Psychiatric Aides*** | ***39,881*** | ***39,927*** | ***46*** | ***0.12%*** | ***2,554*** | ***2,259*** | ***23*** | ***4,836*** |  |  |  |
| **31-1120** | Home Health and Personal Care Aides | 21,600 | 21,572 | -28 | -0.13% | 1,382 | 1,222 | -14 | 2,590 | HS | None | STOJT |
| **31-1131** | Nursing Assistants | 17,577 | 17,646 | 69 | 0.39% | 1,128 | 997 | 34 | 2,159 | PS | None | None |
| ***31-2000*** | ***Occupational Therapy and Physical Therapist Assistants and Aides*** | ***2,131*** | ***2,273*** | ***142*** | ***6.66%*** | ***97*** | ***165*** | ***71*** | ***333*** |  |  |  |
| **31-2011** | Occupational Therapy Assistants | 349 | 375 | 26 | 7.45% | 18 | 26 | 13 | 57 | AD | None | None |
| **31-2021** | Physical Therapist Assistants | 1,455 | 1,553 | 98 | 6.74% | 64 | 114 | 49 | 227 | AD | None | None |
| ***31-9000*** | ***Other Healthcare Support Occupations*** | ***15,386*** | ***15,944*** | ***558*** | ***3.63%*** | ***768*** | ***1,136*** | ***279*** | ***2,183*** |  |  |  |
| **31-9011** | Massage Therapists | 634 | 678 | 44 | 6.94% | 38 | 34 | 22 | 94 | PS | None | None |
| **31-9091** | Dental Assistants | 2,810 | 2,893 | 83 | 2.95% | 130 | 200 | 42 | 372 | PS | None | None |
| **31-9092** | Medical Assistants | 3,705 | 3,836 | 131 | 3.54% | 154 | 282 | 66 | 502 | PS | None | None |

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| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **31-9093** | Medical Equipment Preparers | 305 | 309 | 4 | 1.31% | 17 | 20 | 2 | 39 | HS | None | MTOJT |
| **31-9094** | Medical Transcriptionists | 541 | 537 | -4 | -0.74% | 28 | 46 | -2 | 72 | PS | None | None |
| **31-9095** | Pharmacy Aides | 127 | 128 | 1 | 0.79% | 6 | 10 | 0 | 16 | HS | None | STOJT |
| **31-9096** | Veterinary Assistants and Laboratory Animal Caretakers | 1,063 | 1,103 | 40 | 3.76% | 53 | 120 | 20 | 193 | HS | None | STOJT |
| **31-9097** | Phlebotomists | 814 | 848 | 34 | 4.18% | 36 | 60 | 17 | 113 | PS | None | None |
| **31-9099** | Healthcare Support Workers, All Other | 5,387 | 5,612 | 225 | 4.18% | 304 | 362 | 112 | 778 | HS | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **33-0000** | **PROTECTIVE SERVICE OCCUPATIONS** | **27,403** | **27,534** | **131** | **0.48%** | **1,141** | **1,646** | **66** | **2,853** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***33-1000*** | ***Supervisors of Protective Service Workers*** | ***3,994*** | ***4,042*** | ***48*** | ***1.20%*** | ***108*** | ***180*** | ***24*** | ***312*** |  |  |  |
| **33-1011** | First-Line Supervisors of Correctional Officers | 550 | 552 | 2 | 0.36% | 18 | 26 | 1 | 45 | HS | <5 | None |
| **33-1012** | First-Line Supervisors of Police and Detectives | 1,693 | 1,719 | 26 | 1.54% | 38 | 70 | 13 | 121 | HS | <5 | MTOJT |
| **33-1021** | First-Line Supervisors of Fire Fighting and Prevention Workers | 991 | 1,008 | 17 | 1.72% | 24 | 40 | 8 | 72 | PS | <5 | MTOJT |
| **33-1090** | Miscellaneous First-Line Supervisors, Protective Service Workers | 760 | 763 | 3 | 0.39% | 28 | 44 | 2 | 74 | HS | <5 | None |
| ***33-2000*** | ***Fire Fighting and Prevention Workers*** | ***2,429*** | ***2,470*** | ***41*** | ***1.69%*** | ***60*** | ***126*** | ***20*** | ***206*** |  |  |  |
| **33-2011** | Firefighters | 2,212 | 2,243 | 31 | 1.40% | 49 | 115 | 16 | 180 | PS | None | LTOJT |
| **33-2021** | Fire Inspectors and Investigators | 36 | 37 | 1 | 2.78% | 2 | 2 | 0 | 4 | PS | 5+ | MTOJT |
| **33-2022** | Forest Fire Inspectors and Prevention Specialists | 181 | 190 | 9 | 4.97% | 10 | 9 | 4 | 23 | HS | <5 | MTOJT |
| ***33-3000*** | ***Law Enforcement Workers*** | ***12,715*** | ***12,756*** | ***41*** | ***0.32%*** | ***399*** | ***664*** | ***20*** | ***1,083*** |  |  |  |
| **33-3011** | Bailiffs | 41 | 41 | 0 | 0.00% | 2 | 2 | 0 | 4 | HS | None | MTOJT |
| **33-3012** | Correctional Officers and Jailers | 5,895 | 5,848 | -47 | -0.80% | 221 | 318 | -24 | 515 | HS | None | MTOJT |
| **33-3021** | Detectives and Criminal Investigators | 544 | 550 | 6 | 1.10% | 14 | 26 | 3 | 43 | HS | <5 | MTOJT |
| **33-3041** | Parking Enforcement Workers | 25 | 23 | -2 | -8.00% | 1 | 1 | -1 | 1 | HS | None | STOJT |
| **33-3051** | Police and Sheriff's Patrol Officers | 6,001 | 6,084 | 83 | 1.38% | 151 | 307 | 42 | 500 | HS | None | MTOJT |
| ***33-9000*** | ***Other Protective Service Workers*** | ***8,265*** | ***8,266*** | ***1*** | ***0.01%*** | ***574*** | ***676*** | ***0*** | ***1,250*** |  |  |  |
| **33-9011** | Animal Control Workers | 155 | 157 | 2 | 1.29% | 4 | 8 | 1 | 13 | HS | None | MTOJT |
| **33-9032** | Security Guards | 6,076 | 6,021 | -55 | -0.91% | 320 | 468 | -28 | 760 | HS | None | STOJT |
| **33-9091** | Crossing Guards | 164 | 161 | -3 | -1.83% | 24 | 8 | -2 | 30 | NFE | None | STOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **33-9092** | Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers | 582 | 611 | 29 | 4.98% | 82 | 66 | 14 | 162 | NFE | None | STOJT |
| **33-9093** | Transportation Security Screeners | 171 | 172 | 1 | 0.58% | 6 | 8 | 0 | 14 | HS | None | STOJT |
| **33-9098** | School Bus Monitors and Protective Service Workers, All Other | 953 | 970 | 17 | 1.78% | 132 | 106 | 8 | 246 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **35-0000** | **FOOD PREPARATION AND SERVING RELATED OCCUPATIONS** | **101,812** | **103,751** | **1,939** | **1.90%** | **7,865** | **10,454** | **970** | **19,289** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***35-1000*** | ***Supervisors of Food Preparation and Serving Workers*** | ***11,157*** | ***11,380*** | ***223*** | ***2.00%*** | ***496*** | ***1,146*** | ***112*** | ***1,754*** |  |  |  |
| **35-1011** | Chefs and Head Cooks | 490 | 510 | 20 | 4.08% | 15 | 49 | 10 | 74 | HS | 5+ | None |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 10,667 | 10,870 | 203 | 1.90% | 480 | 1,098 | 102 | 1,680 | HS | <5 | None |
| ***35-2000*** | ***Cooks and Food Preparation Workers*** | ***26,781*** | ***27,479*** | ***698*** | ***2.61%*** | ***1,698*** | ***2,355*** | ***349*** | ***4,402*** |  |  |  |
| **35-2011** | Cooks, Fast Food | 3,747 | 3,671 | -76 | -2.03% | 218 | 318 | -38 | 498 | NFE | None | STOJT |
| **35-2012** | Cooks, Institution and Cafeteria | 7,734 | 7,722 | -12 | -0.16% | 455 | 662 | -6 | 1,111 | NFE | None | STOJT |
| **35-2013** | Cooks, Private Household | 173 | 169 | -4 | -2.31% | 10 | 14 | -2 | 22 | PS | <5 | None |
| **35-2014** | Cooks, Restaurant | 9,380 | 10,014 | 634 | 6.76% | 570 | 830 | 317 | 1,717 | NFE | <5 | MTOJT |
| **35-2015** | Cooks, Short Order | 485 | 490 | 5 | 1.03% | 28 | 42 | 2 | 72 | NFE | None | STOJT |
| **35-2019** | Cooks, All Other | 194 | 199 | 5 | 2.58% | 12 | 17 | 2 | 31 | NFE | None | MTOJT |
| **35-2021** | Food Preparation Workers | 5,068 | 5,214 | 146 | 2.88% | 404 | 473 | 73 | 950 | NFE | None | STOJT |
| ***35-3000*** | ***Food and Beverage Serving Workers*** | ***56,939*** | ***57,784*** | ***845*** | ***1.48%*** | ***5,040*** | ***6,305*** | ***422*** | ***11,767*** |  |  |  |
| **35-3011** | Bartenders | 1,830 | 1,893 | 63 | 3.44% | 84 | 226 | 32 | 342 | NFE | None | STOJT |
| **35-3023** | Fast Food and Counter Workers | 36,957 | 37,417 | 460 | 1.24% | 3,606 | 3,932 | 230 | 7,768 | NFE | None | STOJT |
| **35-3031** | Waiters and Waitresses | 17,215 | 17,519 | 304 | 1.77% | 1,275 | 2,074 | 152 | 3,501 | NFE | None | STOJT |
| **35-3041** | Food Servers, Nonrestaurant | 937 | 955 | 18 | 1.92% | 75 | 74 | 9 | 158 | NFE | None | STOJT |
| ***35-9000*** | ***Other Food Preparation and Serving Related Workers*** | ***6,935*** | ***7,108*** | ***173*** | ***2.49%*** | ***632*** | ***647*** | ***86*** | ***1,365*** |  |  |  |
| **35-9011** | Dining Room and Cafeteria Attendants and Bartender Helpers | 1,963 | 2,032 | 69 | 3.52% | 172 | 173 | 34 | 379 | NFE | None | STOJT |
| **35-9021** | Dishwashers | 2,992 | 3,040 | 48 | 1.60% | 227 | 252 | 24 | 503 | NFE | None | STOJT |
| **35-9031** | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop | 1,812 | 1,863 | 51 | 2.81% | 218 | 207 | 26 | 451 | NFE | None | STOJT |
| **35-9099** | Food Preparation and Serving Related Workers, All Other | 168 | 173 | 5 | 2.98% | 14 | 15 | 2 | 31 | NFE | None | STOJT |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **37-0000** | **BUILDING AND GROUNDS CLEANING**  **AND MAINTENANCE OCCUPATIONS** | **42,865** | **43,816** | **951** | **2.22%** | **2,474** | **3,140** | **476** | **6,090** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***37-1000*** | ***Supervisors of Building and Grounds Cleaning and Maintenance Workers*** | ***3,792*** | ***3,856*** | ***64*** | ***1.69%*** | ***141*** | ***270*** | ***32*** | ***443*** |  |  |  |
| **37-1011** | First-Line Supervisors of Housekeeping and Janitorial Workers | 1,865 | 1,894 | 29 | 1.55% | 80 | 130 | 14 | 224 | HS | <5 | None |
| **37-1012** | First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers | 1,927 | 1,962 | 35 | 1.82% | 60 | 140 | 18 | 218 | HS | <5 | None |
| ***37-2000*** | ***Building Cleaning and Pest Control***  ***Workers*** | ***31,557*** | ***32,228*** | ***671*** | ***2.13%*** | ***2,005*** | ***2,217*** | ***336*** | ***4,558*** |  |  |  |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 21,130 | 21,704 | 574 | 2.72% | 1,336 | 1,501 | 287 | 3,124 | NFE | None | STOJT |
| **37-2012** | Maids and Housekeeping Cleaners | 9,355 | 9,405 | 50 | 0.53% | 637 | 604 | 25 | 1,266 | NFE | None | STOJT |
| ***37-3000*** | ***Grounds Maintenance Workers*** | ***7,516*** | ***7,732*** | ***216*** | ***2.87%*** | ***328*** | ***654*** | ***108*** | ***1,090*** |  |  |  |
| **37-3011** | Landscaping and Groundskeeping Workers | 6,695 | 6,887 | 192 | 2.87% | 292 | 582 | 96 | 970 | NFE | None | STOJT |
| **37-3012** | Pesticide Handlers, Sprayers, and Applicators, Vegetation | 248 | 258 | 10 | 4.03% | 11 | 22 | 5 | 38 | HS | None | MTOJT |
| **37-3013** | Tree Trimmers and Pruners | 447 | 457 | 10 | 2.24% | 20 | 39 | 5 | 64 | HS | None | STOJT |
| **37-3019** | Grounds Maintenance Workers, All Other | 126 | 130 | 4 | 3.17% | 6 | 11 | 2 | 19 | NFE | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **39-0000** | **PERSONAL CARE AND SERVICE OCCUPATIONS** | **27,102** | **28,047** | **945** | **3.49%** | **1,703** | **2,085** | **472** | **4,260** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***39-1000*** | ***Supervisors of Personal Care and Service Workers*** | ***1,375*** | ***1,445*** | ***70*** | ***5.09%*** | ***52*** | ***98*** | ***35*** | ***185*** |  |  |  |
| ***39-2000*** | ***Animal Care and Service Workers*** | ***4,059*** | ***4,280*** | ***221*** | ***5.44%*** | ***242*** | ***330*** | ***110*** | ***682*** |  |  |  |
| **39-2011** | Animal Trainers | 1,428 | 1,481 | 53 | 3.71% | 68 | 105 | 26 | 199 | HS | None | MTOJT |
| **39-2021** | Nonfarm Animal Caretakers | 2,631 | 2,799 | 168 | 6.39% | 174 | 226 | 84 | 484 | HS | None | STOJT |
| ***39-3000*** | ***Entertainment Attendants and Related Workers*** | ***2,002*** | ***2,202*** | ***200*** | ***9.99%*** | ***211*** | ***225*** | ***100*** | ***536*** |  |  |  |
| **39-3031** | Ushers, Lobby Attendants, and Ticket Takers | 496 | 569 | 73 | 14.72% | 68 | 54 | 36 | 158 | NFE | None | STOJT |
| **39-3091** | Amusement and Recreation Attendants | 1,236 | 1,302 | 66 | 5.34% | 124 | 142 | 33 | 299 | NFE | None | STOJT |
| **39-3093** | Locker Room, Coatroom, and Dressing Room Attendants | 55 | 57 | 2 | 3.64% | 6 | 6 | 1 | 13 | HS | None | STOJT |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***39-4000*** | ***Funeral Service Workers*** | ***912*** | ***910*** | ***-2*** | ***-0.22%*** | ***47*** | ***65*** | ***-1*** | ***111*** |  |  |  |
| **39-4011** | Embalmers | 110 | 109 | -1 | -0.91% | 6 | 8 | 0 | 14 | AD | None | LTOJT |
| **39-4021** | Funeral Attendants | 359 | 357 | -2 | -0.56% | 20 | 27 | -1 | 46 | HS | None | STOJT |
| **39-4031** | Morticians, Undertakers, and Funeral Directors | 443 | 444 | 1 | 0.23% | 21 | 30 | 0 | 51 | AD | None | LTOJT |
| ***39-5000*** | ***Personal Appearance Workers*** | ***4,077*** | ***4,301*** | ***224*** | ***5.49%*** | ***216*** | ***232*** | ***112*** | ***560*** |  |  |  |
| **39-5012** | Hairdressers, Hairstylists, and Cosmetologists | 3,251 | 3,419 | 168 | 5.17% | 176 | 186 | 84 | 446 | PS | None | None |
| ***39-6000*** | ***Baggage Porters, Bellhops, and Concierges*** | ***109*** | ***116*** | ***7*** | ***6.42%*** | ***6*** | ***8*** | ***4*** | ***18*** |  |  |  |
| **39-6011** | Baggage Porters and Bellhops | 83 | 89 | 6 | 7.23% | 4 | 6 | 3 | 13 | HS | None | STOJT |
| **39-6012** | Concierges | 26 | 27 | 1 | 3.85% | 2 | 2 | 0 | 4 | HS | None | MTOJT |
| ***39-7000*** | ***Tour and Travel Guides*** | ***258*** | ***267*** | ***9*** | ***3.49%*** | ***17*** | ***24*** | ***4*** | ***45*** |  |  |  |
| **39-7010** | Tour and Travel Guides | 258 | 267 | 9 | 3.49% | 17 | 24 | 4 | 45 | HS | None | MTOJT |
| ***39-9000*** | ***Other Personal Care and Service Workers*** | ***14,310*** | ***14,526*** | ***216*** | ***1.51%*** | ***912*** | ***1,101*** | ***108*** | ***2,121*** |  |  |  |
| **39-9011** | Childcare Workers | 9,741 | 9,843 | 102 | 1.05% | 659 | 684 | 51 | 1,394 | HS | None | STOJT |
| **39-9031** | Fitness Trainers and Aerobics Instructors | 1,562 | 1,653 | 91 | 5.83% | 94 | 152 | 46 | 292 | HS | None | STOJT |
| **39-9032** | Recreation Workers | 1,708 | 1,725 | 17 | 1.00% | 100 | 163 | 8 | 271 | HS | None | STOJT |
| **39-9041** | Residential Advisors | 1,003 | 1,001 | -2 | -0.20% | 50 | 90 | -1 | 139 | HS | None | STOJT |
| **39-9098** | Crematory Operators and Personal Care and Service Workers, All Other | 155 | 152 | -3 | -1.94% | 8 | 12 | -2 | 18 | HS | None | STOJT |
| **39-9099** | Personal Care and Service Workers, All Other | 141 | 152 | 11 | 7.80% | 0 | 0 | 6 | 6 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **41-0000** | **SALES AND RELATED OCCUPATIONS** | **132,883** | **135,972** | **3,089** | **2.32%** | **6,934** | **10,476** | **1,544** | **18,954** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***41-1000*** | ***Supervisors of Sales Workers*** | ***18,653*** | ***18,784*** | ***131*** | ***0.70%*** | ***640*** | ***1,263*** | ***66*** | ***1,969*** |  |  |  |
| **41-1011** | First-Line Supervisors of Retail Sales Workers | 15,200 | 15,336 | 136 | 0.89% | 540 | 1,058 | 68 | 1,666 | HS | <5 | None |
| **41-1012** | First-Line Supervisors of Non-Retail Sales Workers | 3,453 | 3,448 | -5 | -0.14% | 100 | 205 | -2 | 303 | HS | <5 | None |
| ***41-2000*** | ***Retail Sales Workers*** | ***73,800*** | ***75,263*** | ***1,463*** | ***1.98%*** | ***4,884*** | ***6,435*** | ***732*** | ***12,051*** |  |  |  |
| **41-2011** | Cashiers | 27,728 | 28,335 | 607 | 2.19% | 2,384 | 2,684 | 304 | 5,372 | NFE | None | STOJT |
| **41-2021** | Counter and Rental Clerks | 4,960 | 5,019 | 59 | 1.19% | 224 | 342 | 30 | 596 | NFE | None | STOJT |
| **41-2031** | Retail Salespersons | 37,722 | 38,463 | 741 | 1.96% | 2,130 | 3,146 | 370 | 5,646 | NFE | None | STOJT |
| ***41-3000*** | ***Sales Representatives, Services*** | ***18,342*** | ***19,347*** | ***1,005*** | ***5.48%*** | ***565*** | ***1,272*** | ***502*** | ***2,339*** |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **41-3011** | Advertising Sales Agents | 937 | 890 | -47 | -5.02% | 28 | 85 | -24 | 89 | HS | None | MTOJT |
| **41-3021** | Insurance Sales Agents | 10,343 | 11,243 | 900 | 8.70% | 360 | 604 | 450 | 1,414 | HS | None | MTOJT |
| **41-3031** | Securities, Commodities, and Financial Services Sales Agents | 1,676 | 1,684 | 8 | 0.48% | 37 | 106 | 4 | 147 | BD | None | MTOJT |
| **41-3041** | Travel Agents | 149 | 144 | -5 | -3.36% | 7 | 10 | -2 | 15 | HS | None | MTOJT |
| **41-3091** | Sales Representatives of Services, Except Advertising, Insurance, Financial  Services, and Travel | 5,237 | 5,386 | 149 | 2.85% | 134 | 467 | 74 | 675 | HS | None | MTOJT |
| ***41-4000*** | ***Sales Representatives, Wholesale and Manufacturing*** | ***14,722*** | ***15,085*** | ***363*** | ***2.47%*** | ***440*** | ***1,007*** | ***182*** | ***1,629*** |  |  |  |
| **41-4011** | Sales Representatives, Wholesale and  Manufacturing, Technical and Scientific Products | 2,070 | 2,120 | 50 | 2.42% | 62 | 142 | 25 | 229 | BD | None | MTOJT |
| **41-4012** | Sales Representatives, Wholesale and  Manufacturing, Except Technical and Scientific Products | 12,652 | 12,965 | 313 | 2.47% | 378 | 866 | 156 | 1,400 | HS | None | MTOJT |
| ***41-9000*** | ***Other Sales and Related Workers*** | ***7,366*** | ***7,493*** | ***127*** | ***1.72%*** | ***405*** | ***500*** | ***64*** | ***969*** |  |  |  |
| **41-9021** | Real Estate Brokers | 714 | 727 | 13 | 1.82% | 30 | 32 | 6 | 68 | HS | <5 | None |
| **41-9022** | Real Estate Sales Agents | 2,289 | 2,330 | 41 | 1.79% | 96 | 102 | 20 | 218 | HS | None | MTOJT |
| **41-9031** | Sales Engineers | 130 | 133 | 3 | 2.31% | 2 | 11 | 2 | 15 | BD | None | MTOJT |
| **41-9041** | Telemarketers | 1,307 | 1,319 | 12 | 0.92% | 60 | 134 | 6 | 200 | NFE | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **43-0000** | **OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS** | **162,078** | **164,306** | **2,228** | **1.37%** | **7,692** | **10,050** | **1,114** | **18,856** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***43-1000*** | ***Supervisors of Office and Administrative Support Workers*** | ***13,852*** | ***14,075*** | ***223*** | ***1.61%*** | ***518*** | ***854*** | ***112*** | ***1,484*** |  |  |  |
| **43-1011** | First-Line Supervisors of Office and Administrative Support Workers | 13,852 | 14,075 | 223 | 1.61% | 518 | 854 | 112 | 1,484 | HS | <5 | None |
| ***43-2000*** | ***Communications Equipment Operators*** | ***500*** | ***486*** | ***-14*** | ***-2.80%*** | ***25*** | ***29*** | ***-7*** | ***47*** |  |  |  |
| **43-2011** | Switchboard Operators, Including Answering Service | 472 | 459 | -13 | -2.75% | 24 | 27 | -6 | 45 | HS | None | STOJT |
| ***43-3000*** | ***Financial Clerks*** | ***25,253*** | ***25,269*** | ***16*** | ***0.06%*** | ***1,242*** | ***1,445*** | ***8*** | ***2,695*** |  |  |  |
| **43-3011** | Bill and Account Collectors | 2,263 | 2,295 | 32 | 1.41% | 84 | 162 | 16 | 262 | HS | None | MTOJT |
| **43-3021** | Billing and Posting Clerks | 3,315 | 3,367 | 52 | 1.57% | 137 | 205 | 26 | 368 | HS | None | MTOJT |
| **43-3031** | Bookkeeping, Accounting, and Auditing Clerks | 12,620 | 12,710 | 90 | 0.71% | 742 | 646 | 45 | 1,433 | SC | None | MTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **43-3051** | Payroll and Timekeeping Clerks | 993 | 982 | -11 | -1.11% | 47 | 54 | -6 | 95 | HS | None | MTOJT |
| **43-3061** | Procurement Clerks | 687 | 690 | 3 | 0.44% | 19 | 44 | 2 | 65 | HS | None | MTOJT |
| **43-3071** | Tellers | 5,162 | 5,001 | -161 | -3.12% | 206 | 320 | -80 | 446 | HS | None | STOJT |
| ***43-4000*** | ***Information and Record Clerks*** | ***44,335*** | ***45,186*** | ***851*** | ***1.92%*** | ***2,206*** | ***3,222*** | ***426*** | ***5,854*** |  |  |  |
| **43-4011** | Brokerage Clerks | 183 | 178 | -5 | -2.73% | 8 | 12 | -2 | 18 | HS | None | MTOJT |
| **43-4031** | Court, Municipal, and License Clerks | 1,002 | 1,017 | 15 | 1.50% | 49 | 50 | 8 | 107 | HS | None | LTOJT |
| **43-4051** | Customer Service Representatives | 17,758 | 18,345 | 587 | 3.31% | 848 | 1,420 | 294 | 2,562 | HS | None | STOJT |
| **43-4061** | Eligibility Interviewers, Government Programs | 1,688 | 1,704 | 16 | 0.95% | 62 | 88 | 8 | 158 | HS | None | MTOJT |
| **43-4071** | File Clerks | 562 | 554 | -8 | -1.42% | 30 | 34 | -4 | 60 | HS | None | STOJT |
| **43-4081** | Hotel, Motel, and Resort Desk Clerks | 1,837 | 1,928 | 91 | 4.95% | 109 | 200 | 46 | 355 | HS | None | STOJT |
| **43-4111** | Interviewers, Except Eligibility and Loan | 3,320 | 3,270 | -50 | -1.51% | 190 | 213 | -25 | 378 | HS | None | STOJT |
| **43-4121** | Library Assistants, Clerical | 566 | 559 | -7 | -1.24% | 50 | 36 | -4 | 82 | HS | None | STOJT |
| **43-4131** | Loan Interviewers and Clerks | 2,219 | 2,228 | 9 | 0.41% | 64 | 130 | 4 | 198 | HS | None | STOJT |
| **43-4141** | New Accounts Clerks | 520 | 504 | -16 | -3.08% | 16 | 32 | -8 | 40 | HS | None | MTOJT |
| **43-4151** | Order Clerks | 342 | 341 | -1 | -0.29% | 14 | 22 | 0 | 36 | SC | None | STOJT |
| **43-4161** | Human Resources Assistants, Except Payroll and Timekeeping | 774 | 790 | 16 | 2.07% | 30 | 48 | 8 | 86 | AD | None | None |
| **43-4171** | Receptionists and Information Clerks | 11,814 | 11,994 | 180 | 1.52% | 664 | 822 | 90 | 1,576 | HS | None | STOJT |
| **43-4181** | Reservation and Transportation Ticket Agents and Travel Clerks | 146 | 151 | 5 | 3.42% | 6 | 10 | 2 | 18 | HS | None | STOJT |
| **43-4199** | Information and Record Clerks, All Other | 1,456 | 1,473 | 17 | 1.17% | 60 | 96 | 8 | 164 | HS | None | STOJT |
| ***43-5000*** | ***Material Recording, Scheduling, Dispatching, and Distributing Workers*** | ***18,818*** | ***19,042*** | ***224*** | ***1.19%*** | ***700*** | ***998*** | ***112*** | ***1,810*** |  |  |  |
| **43-5011** | Cargo and Freight Agents | 1,003 | 1,042 | 39 | 3.89% | 39 | 60 | 20 | 119 | HS | None | STOJT |
| **43-5021** | Couriers and Messengers | 736 | 728 | -8 | -1.09% | 30 | 40 | -4 | 66 | HS | None | STOJT |
| **43-5031** | Police, Fire, and Ambulance Dispatchers | 1,062 | 1,077 | 15 | 1.41% | 38 | 60 | 8 | 106 | HS | None | MTOJT |
| **43-5032** | Dispatchers, Except Police, Fire, and Ambulance | 1,880 | 1,907 | 27 | 1.44% | 66 | 106 | 14 | 186 | HS | None | MTOJT |
| **43-5041** | Meter Readers, Utilities | 607 | 609 | 2 | 0.33% | 18 | 26 | 1 | 45 | HS | None | STOJT |
| **43-5051** | Postal Service Clerks | 1,053 | 1,037 | -16 | -1.52% | 48 | 37 | -8 | 77 | HS | None | STOJT |
| **43-5052** | Postal Service Mail Carriers | 3,155 | 3,105 | -50 | -1.58% | 109 | 112 | -25 | 196 | HS | None | STOJT |
| **43-5053** | Postal Service Mail Sorters, Processors, and Processing Machine Operators | 550 | 537 | -13 | -2.36% | 30 | 18 | -6 | 42 | HS | None | STOJT |
| **43-5061** | Production, Planning, and Expediting Clerks | 2,756 | 2,849 | 93 | 3.37% | 100 | 182 | 46 | 328 | HS | None | MTOJT |
| **43-5071** | Shipping, Receiving, and Traffic Clerks | 5,257 | 5,351 | 94 | 1.79% | 194 | 312 | 47 | 553 | HS | None | STOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **43-5111** | Weighers, Measurers, Checkers, and Samplers, Recordkeeping | 759 | 800 | 41 | 5.40% | 30 | 44 | 20 | 94 | HS | None | STOJT |
| ***43-6000*** | ***Secretaries and Administrative Assistants*** | ***19,712*** | ***19,677*** | ***-35*** | ***-0.18%*** | ***1,002*** | ***1,100*** | ***-18*** | ***2,084*** |  |  |  |
| **43-6011** | Executive Secretaries and Executive Administrative Assistants | 2,053 | 2,018 | -35 | -1.70% | 104 | 114 | -18 | 200 | HS | <5 | None |
| **43-6012** | Legal Secretaries | 700 | 676 | -24 | -3.43% | 35 | 38 | -12 | 61 | HS | None | MTOJT |
| **43-6013** | Medical Secretaries | 1,837 | 1,879 | 42 | 2.29% | 94 | 104 | 21 | 219 | HS | None | MTOJT |
| **43-6014** | Secretaries and Administrative  Assistants, Except Legal, Medical, and Executive | 15,122 | 15,104 | -18 | -0.12% | 769 | 844 | -9 | 1,604 | HS | None | STOJT |
| ***43-9000*** | ***Other Office and Administrative Support Workers*** | ***39,608*** | ***40,571*** | ***963*** | ***2.43%*** | ***1,999*** | ***2,402*** | ***482*** | ***4,883*** |  |  |  |
| **43-9021** | Data Entry Keyers | 958 | 930 | -28 | -2.92% | 42 | 60 | -14 | 88 | HS | None | STOJT |
| **43-9022** | Word Processors and Typists | 175 | 170 | -5 | -2.86% | 10 | 10 | -2 | 18 | HS | None | STOJT |
| **43-9031** | Desktop Publishers | 27 | 24 | -3 | -11.11% | 1 | 2 | -2 | 1 | AD | None | STOJT |
| **43-9041** | Insurance Claims and Policy Processing Clerks | 7,112 | 7,810 | 698 | 9.81% | 263 | 438 | 349 | 1,050 | HS | None | MTOJT |
| **43-9051** | Mail Clerks and Mail Machine Operators, Except Postal Service | 359 | 351 | -8 | -2.23% | 18 | 22 | -4 | 36 | HS | None | STOJT |
| **43-9061** | Office Clerks, General | 28,125 | 28,384 | 259 | 0.92% | 1,542 | 1,676 | 130 | 3,348 | HS | None | STOJT |
| **43-9111** | Statistical Assistants | 38 | 43 | 5 | 13.16% | 1 | 4 | 2 | 7 | BD | None | None |
| **43-9199** | Office and Administrative Support Workers, All Other | 2,424 | 2,474 | 50 | 2.06% | 101 | 170 | 25 | 296 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **45-0000** | **FARMING, FISHING, AND FORESTRY OCCUPATIONS** | **20,137** | **20,837** | **700** | **3.48%** | **844** | **2,318** | **350** | **3,512** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***45-1000*** | ***Supervisors of Farming, Fishing, and Forestry Workers*** | ***939*** | ***971*** | ***32*** | ***3.41%*** | ***35*** | ***100*** | ***16*** | ***151*** |  |  |  |
| **45-1011** | First-Line Supervisors of Farming, Fishing, and Forestry Workers | 939 | 971 | 32 | 3.41% | 35 | 100 | 16 | 151 | HS | <5 | None |
| ***45-2000*** | ***Agricultural Workers*** | ***16,545*** | ***17,213*** | ***668*** | ***4.04%*** | ***710*** | ***1,920*** | ***334*** | ***2,964*** |  |  |  |
| **45-2011** | Agricultural Inspectors | 369 | 370 | 1 | 0.27% | 16 | 42 | 0 | 58 | BD | None | MTOJT |
| **45-2021** | Animal Breeders | 211 | 223 | 12 | 5.69% | 9 | 25 | 6 | 40 | HS | None | STOJT |
| **45-2041** | Graders and Sorters, Agricultural Products | 1,638 | 1,618 | -20 | -1.22% | 64 | 176 | -10 | 230 | NFE | None | STOJT |
| **45-2091** | Agricultural Equipment Operators | 1,080 | 1,141 | 61 | 5.65% | 47 | 127 | 30 | 204 | NFE | None | MTOJT |

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| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **45-2092** | Farmworkers and Laborers, Crop, Nursery, and Greenhouse | 7,015 | 7,320 | 305 | 4.35% | 304 | 819 | 152 | 1,275 | NFE | None | STOJT |
| **45-2093** | Farmworkers, Farm, Ranch, and Aquacultural Animals | 6,015 | 6,313 | 298 | 4.95% | 261 | 704 | 149 | 1,114 | NFE | None | STOJT |
| **45-2099** | Agricultural Workers, All Other | 217 | 228 | 11 | 5.07% | 10 | 26 | 6 | 42 | NFE | None | STOJT |
| ***45-3000*** | ***Fishing and Hunting Workers*** | ***65*** | ***65*** | ***0*** | ***0.00%*** | ***4*** | ***6*** | ***0*** | ***10*** |  |  |  |
| **45-3031** | Fishing and Hunting Workers | 65 | 65 | 0 | 0.00% | 4 | 6 | 0 | 10 | NFE | None | MTOJT |
| ***45-4000*** | ***Forest, Conservation, and Logging Workers*** | ***2,588*** | ***2,588*** | ***0*** | ***0.00%*** | ***96*** | ***293*** | ***0*** | ***389*** |  |  |  |
| **45-4022** | Logging Equipment Operators | 1,526 | 1,520 | -6 | -0.39% | 55 | 174 | -3 | 226 | HS | None | MTOJT |
| **45-4023** | Log Graders and Scalers | 188 | 189 | 1 | 0.53% | 7 | 22 | 0 | 29 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **47-0000** | **CONSTRUCTION AND EXTRACTION OCCUPATIONS** | **50,135** | **50,858** | **723** | **1.44%** | **1,514** | **3,490** | **362** | **5,366** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***47-1000*** | ***Supervisors of Construction and Extraction Workers*** | ***5,538*** | ***5,592*** | ***54*** | ***0.98%*** | ***158*** | ***360*** | ***27*** | ***545*** |  |  |  |
| **47-1011** | First-Line Supervisors of Construction Trades and Extraction Workers | 5,538 | 5,592 | 54 | 0.98% | 158 | 360 | 27 | 545 | HS | 5+ | None |
| ***47-2000*** | ***Construction Trades Workers*** | ***35,508*** | ***36,169*** | ***661*** | ***1.86%*** | ***1,040*** | ***2,446*** | ***330*** | ***3,816*** |  |  |  |
| **47-2011** | Boilermakers | 168 | 165 | -3 | -1.79% | 3 | 12 | -2 | 13 | HS | None | App. |
| **47-2021** | Brickmasons and Blockmasons | 431 | 425 | -6 | -1.39% | 14 | 26 | -3 | 37 | HS | None | App. |
| **47-2031** | Carpenters | 3,997 | 3,995 | -2 | -0.05% | 116 | 250 | -1 | 365 | HS | None | App. |
| **47-2041** | Carpet Installers | 71 | 71 | 0 | 0.00% | 2 | 4 | 0 | 6 | NFE | None | STOJT |
| **47-2043** | Floor Sanders and Finishers | 289 | 292 | 3 | 1.04% | 8 | 17 | 2 | 27 | NFE | None | MTOJT |
| **47-2044** | Tile and Marble Setters | 264 | 272 | 8 | 3.03% | 7 | 16 | 4 | 27 | NFE | None | LTOJT |
| **47-2051** | Cement Masons and Concrete Finishers | 1,957 | 1,958 | 1 | 0.05% | 48 | 128 | 0 | 176 | NFE | None | MTOJT |
| **47-2061** | Construction Laborers | 7,461 | 7,596 | 135 | 1.81% | 222 | 508 | 68 | 798 | NFE | None | STOJT |
| **47-2071** | Paving, Surfacing, and Tamping Equipment Operators | 1,060 | 1,082 | 22 | 2.08% | 35 | 77 | 11 | 123 | HS | None | MTOJT |
| **47-2073** | Operating Engineers and Other Construction Equipment Operators | 3,619 | 3,687 | 68 | 1.88% | 120 | 262 | 34 | 416 | HS | None | MTOJT |
| **47-2081** | Drywall and Ceiling Tile Installers | 440 | 448 | 8 | 1.82% | 11 | 25 | 4 | 40 | NFE | None | MTOJT |
| **47-2111** | Electricians | 6,622 | 6,874 | 252 | 3.81% | 196 | 496 | 126 | 818 | HS | None | App. |
| **47-2121** | Glaziers | 431 | 439 | 8 | 1.86% | 12 | 34 | 4 | 50 | HS | None | App. |
| **47-2131** | Insulation Workers, Floor, Ceiling, and Wall | 244 | 248 | 4 | 1.64% | 6 | 17 | 2 | 25 | NFE | None | STOJT |
| **47-2132** | Insulation Workers, Mechanical | 162 | 166 | 4 | 2.47% | 4 | 11 | 2 | 17 | HS | None | App. |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **47-2141** | Painters, Construction and Maintenance | 1,732 | 1,761 | 29 | 1.67% | 53 | 97 | 14 | 164 | NFE | None | MTOJT |
| **47-2142** | Paperhangers | 23 | 24 | 1 | 4.35% | 0 | 2 | 0 | 2 | NFE | None | LTOJT |
| **47-2151** | Pipelayers | 348 | 350 | 2 | 0.57% | 10 | 25 | 1 | 36 | NFE | None | STOJT |
| **47-2152** | Plumbers, Pipefitters, and Steamfitters | 3,621 | 3,718 | 97 | 2.68% | 107 | 264 | 48 | 419 | HS | None | App. |
| **47-2181** | Roofers | 854 | 862 | 8 | 0.94% | 21 | 60 | 4 | 85 | NFE | None | MTOJT |
| **47-2211** | Sheet Metal Workers | 999 | 1,020 | 21 | 2.10% | 28 | 66 | 10 | 104 | HS | None | App. |
| **47-2221** | Structural Iron and Steel Workers | 434 | 430 | -4 | -0.92% | 11 | 33 | -2 | 42 | HS | None | App. |
| ***47-3000*** | ***Helpers, Construction Trades*** | ***1,858*** | ***1,886*** | ***28*** | ***1.51%*** | ***54*** | ***164*** | ***14*** | ***232*** |  |  |  |
| **47-3011** | Helpers--Brickmasons, Blockmasons,  Stonemasons, and Tile and Marble Setters | 192 | 189 | -3 | -1.56% | 6 | 16 | -2 | 20 | NFE | None | STOJT |
| **47-3012** | Helpers--Carpenters | 208 | 211 | 3 | 1.44% | 6 | 18 | 2 | 26 | NFE | None | STOJT |
| **47-3013** | Helpers--Electricians | 259 | 266 | 7 | 2.70% | 8 | 23 | 4 | 35 | HS | None | STOJT |
| **47-3014** | Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons | 74 | 75 | 1 | 1.35% | 2 | 6 | 0 | 8 | NFE | None | STOJT |
| **47-3015** | Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters | 516 | 532 | 16 | 3.10% | 16 | 46 | 8 | 70 | HS | None | STOJT |
| **47-3016** | Helpers--Roofers | 59 | 59 | 0 | 0.00% | 2 | 5 | 0 | 7 | NFE | None | STOJT |
| **47-3019** | Helpers, Construction Trades, All Other | 550 | 554 | 4 | 0.73% | 16 | 48 | 2 | 66 | NFE | None | STOJT |
| ***47-4000*** | ***Other Construction and Related Workers*** | ***5,225*** | ***5,280*** | ***55*** | ***1.05%*** | ***208*** | ***340*** | ***28*** | ***576*** |  |  |  |
| **47-4011** | Construction and Building Inspectors | 977 | 973 | -4 | -0.41% | 53 | 59 | -2 | 110 | HS | 5+ | MTOJT |
| **47-4021** | Elevator Installers and Repairers | 85 | 88 | 3 | 3.53% | 2 | 6 | 2 | 10 | HS | None | App. |
| **47-4031** | Fence Erectors | 148 | 152 | 4 | 2.70% | 4 | 12 | 2 | 18 | NFE | None | MTOJT |
| **47-4041** | Hazardous Materials Removal Workers | 199 | 203 | 4 | 2.01% | 8 | 16 | 2 | 26 | HS | None | MTOJT |
| **47-4051** | Highway Maintenance Workers | 3,277 | 3,322 | 45 | 1.37% | 130 | 207 | 22 | 359 | HS | None | MTOJT |
| **47-4061** | Rail-Track Laying and Maintenance Equipment Operators | 287 | 283 | -4 | -1.39% | 5 | 20 | -2 | 23 | HS | None | MTOJT |
| **47-4071** | Septic Tank Servicers and Sewer Pipe Cleaners | 66 | 69 | 3 | 4.55% | 2 | 6 | 2 | 10 | HS | None | MTOJT |
| **47-4090** | Miscellaneous Construction and Related Workers | 186 | 190 | 4 | 2.15% | 6 | 16 | 2 | 24 | HS | None | MTOJT |
| ***47-5000*** | ***Extraction Workers*** | ***2,006*** | ***1,931*** | ***-75*** | ***-3.74%*** | ***53*** | ***178*** | ***-38*** | ***193*** |  |  |  |
| **47-5011** | Derrick Operators, Oil and Gas | 45 | 37 | -8 | -17.78% | 1 | 4 | -4 | 1 | NFE | None | STOJT |
| **47-5013** | Service Unit Operators, Oil, Gas, and Mining | 607 | 540 | -67 | -11.04% | 12 | 56 | -34 | 34 | NFE | None | MTOJT |
| **47-5022** | Excavating and Loading Machine and Dragline Operators, Surface Mining | 370 | 374 | 4 | 1.08% | 12 | 32 | 2 | 46 | HS | <5 | MTOJT |

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| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **47-5041** | Continuous Mining Machine Operators | 189 | 191 | 2 | 1.06% | 6 | 16 | 1 | 23 | NFE | None | MTOJT |
| **47-5051** | Rock Splitters, Quarry | 81 | 83 | 2 | 2.47% | 2 | 7 | 1 | 10 | NFE | None | STOJT |
| **47-5071** | Roustabouts, Oil and Gas | 200 | 175 | -25 | -12.50% | 4 | 18 | -12 | 10 | NFE | None | MTOJT |
| **47-5097** | Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling  Experts, and Blasters | 451 | 471 | 20 | 4.43% | 14 | 40 | 10 | 64 | HS | <5 | LTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **49-0000** | **INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS** | **60,456** | **61,794** | **1,338** | **2.21%** | **1,894** | **3,878** | **669** | **6,441** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***49-1000*** | ***Supervisors of Installation, Maintenance, and Repair Workers*** | ***5,927*** | ***6,033*** | ***106*** | ***1.79%*** | ***174*** | ***356*** | ***53*** | ***583*** |  |  |  |
| **49-1011** | First-Line Supervisors of Mechanics, Installers, and Repairers | 5,927 | 6,033 | 106 | 1.79% | 174 | 356 | 53 | 583 | HS | <5 | None |
| ***49-2000*** | ***Electrical and Electronic Equipment Mechanics, Installers, and Repairers*** | ***5,088*** | ***5,094*** | ***6*** | ***0.12%*** | ***156*** | ***356*** | ***3*** | ***515*** |  |  |  |
| **49-2011** | Computer, Automated Teller, and Office Machine Repairers | 763 | 765 | 2 | 0.26% | 23 | 58 | 1 | 82 | SC | None | STOJT |
| **49-2021** | Radio, Cellular, and Tower Equipment Installers and Repairers | 57 | 62 | 5 | 8.77% | 2 | 4 | 2 | 8 | AD | None | MTOJT |
| **49-2022** | Telecommunications Equipment  Installers and Repairers, Except Line Installers | 1,853 | 1,869 | 16 | 0.86% | 64 | 142 | 8 | 214 | PS | None | MTOJT |
| **49-2092** | Electric Motor, Power Tool, and Related Repairers | 94 | 93 | -1 | -1.06% | 4 | 6 | 0 | 10 | HS | <5 | MTOJT |
| **49-2094** | Electrical and Electronics Repairers, Commercial and Industrial Equipment | 413 | 418 | 5 | 1.21% | 12 | 20 | 2 | 34 | PS | None | LTOJT |
| **49-2095** | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay | 283 | 274 | -9 | -3.18% | 8 | 14 | -4 | 18 | PS | <5 | MTOJT |
| **49-2097** | Electronic Home Entertainment Equipment Installers and Repairers | 572 | 571 | -1 | -0.17% | 18 | 42 | 0 | 60 | PS | None | STOJT |
| **49-2098** | Security and Fire Alarm Systems Installers | 677 | 678 | 1 | 0.15% | 16 | 52 | 0 | 68 | HS | None | MTOJT |
| ***49-3000*** | ***Vehicle and Mobile Equipment Mechanics, Installers, and Repairers*** | ***17,008*** | ***17,275*** | ***267*** | ***1.57%*** | ***522*** | ***1,135*** | ***134*** | ***1,791*** |  |  |  |
| **49-3011** | Aircraft Mechanics and Service Technicians | 942 | 949 | 7 | 0.74% | 27 | 50 | 4 | 81 | PS | None | None |
| **49-3021** | Automotive Body and Related Repairers | 1,506 | 1,540 | 34 | 2.26% | 48 | 90 | 17 | 155 | HS | None | LTOJT |
| **49-3023** | Automotive Service Technicians and Mechanics | 5,446 | 5,489 | 43 | 0.79% | 162 | 371 | 22 | 555 | PS | None | STOJT |

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| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **49-3031** | Bus and Truck Mechanics and Diesel Engine Specialists | 3,892 | 3,946 | 54 | 1.39% | 111 | 244 | 27 | 382 | HS | None | LTOJT |
| **49-3041** | Farm Equipment Mechanics and Service Technicians | 1,022 | 1,068 | 46 | 4.50% | 31 | 70 | 23 | 124 | HS | None | LTOJT |
| **49-3042** | Mobile Heavy Equipment Mechanics, Except Engines | 1,416 | 1,451 | 35 | 2.47% | 43 | 97 | 18 | 158 | HS | None | LTOJT |
| **49-3051** | Motorboat Mechanics and Service Technicians | 352 | 372 | 20 | 5.68% | 16 | 24 | 10 | 50 | HS | None | LTOJT |
| **49-3052** | Motorcycle Mechanics | 184 | 190 | 6 | 3.26% | 8 | 12 | 3 | 23 | PS | None | STOJT |
| **49-3053** | Outdoor Power Equipment and Other Small Engine Mechanics | 402 | 417 | 15 | 3.73% | 18 | 27 | 8 | 53 | HS | None | MTOJT |
| **49-3092** | Recreational Vehicle Service Technicians | 199 | 208 | 9 | 4.52% | 6 | 17 | 4 | 27 | HS | None | LTOJT |
| **49-3093** | Tire Repairers and Changers | 1,304 | 1,305 | 1 | 0.08% | 40 | 108 | 0 | 148 | HS | None | STOJT |
| ***49-9000*** | ***Other Installation, Maintenance, and Repair Occupations*** | ***32,433*** | ***33,392*** | ***959*** | ***2.96%*** | ***1,042*** | ***2,031*** | ***480*** | ***3,553*** |  |  |  |
| **49-9011** | Mechanical Door Repairers | 542 | 579 | 37 | 6.83% | 12 | 32 | 18 | 62 | HS | None | MTOJT |
| **49-9012** | Control and Valve Installers and Repairers, Except Mechanical Door | 484 | 468 | -16 | -3.31% | 11 | 27 | -8 | 30 | HS | None | MTOJT |
| **49-9021** | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 3,514 | 3,627 | 113 | 3.22% | 92 | 244 | 56 | 392 | PS | None | LTOJT |
| **49-9031** | Home Appliance Repairers | 317 | 314 | -3 | -0.95% | 12 | 18 | -2 | 28 | HS | None | MTOJT |
| **49-9041** | Industrial Machinery Mechanics | 7,151 | 7,556 | 405 | 5.66% | 226 | 397 | 202 | 825 | HS | None | LTOJT |
| **49-9043** | Maintenance Workers, Machinery | 641 | 673 | 32 | 4.99% | 22 | 36 | 16 | 74 | HS | None | LTOJT |
| **49-9044** | Millwrights | 933 | 948 | 15 | 1.61% | 27 | 54 | 8 | 89 | HS | None | App. |
| **49-9051** | Electrical Power-Line Installers and Repairers | 1,923 | 1,922 | -1 | -0.05% | 36 | 130 | 0 | 166 | HS | None | LTOJT |
| **49-9052** | Telecommunications Line Installers and Repairers | 1,371 | 1,410 | 39 | 2.84% | 31 | 118 | 20 | 169 | HS | None | LTOJT |
| **49-9062** | Medical Equipment Repairers | 523 | 530 | 7 | 1.34% | 23 | 32 | 4 | 59 | AD | None | MTOJT |
| **49-9069** | Precision Instrument and Equipment Repairers, All Other | 142 | 144 | 2 | 1.41% | 6 | 8 | 1 | 15 | HS | None | LTOJT |
| **49-9071** | Maintenance and Repair Workers, General | 11,248 | 11,501 | 253 | 2.25% | 401 | 664 | 126 | 1,191 | HS | None | MTOJT |
| **49-9091** | Coin, Vending, and Amusement Machine Servicers and Repairers | 112 | 115 | 3 | 2.68% | 5 | 8 | 2 | 15 | HS | None | STOJT |
| **49-9094** | Locksmiths and Safe Repairers | 111 | 107 | -4 | -3.60% | 4 | 6 | -2 | 8 | HS | None | LTOJT |
| **49-9096** | Riggers | 41 | 42 | 1 | 2.44% | 1 | 3 | 0 | 4 | HS | None | MTOJT |

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| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **49-9098** | Helpers--Installation, Maintenance, and Repair Workers | 1,605 | 1,642 | 37 | 2.31% | 70 | 136 | 18 | 224 | HS | None | STOJT |
| **49-9099** | Installation, Maintenance, and Repair Workers, All Other | 1,614 | 1,654 | 40 | 2.48% | 58 | 109 | 20 | 187 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **51-0000** | **PRODUCTION OCCUPATIONS** | **116,302** | **118,765** | **2,463** | **2.12%** | **4,382** | **8,574** | **1,232** | **14,188** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***51-1000*** | ***Supervisors of Production Workers*** | ***9,007*** | ***9,277*** | ***270*** | ***3.00%*** | ***275*** | ***615*** | ***135*** | ***1,025*** |  |  |  |
| **51-1011** | First-Line Supervisors of Production and Operating Workers | 9,007 | 9,277 | 270 | 3.00% | 275 | 615 | 135 | 1,025 | HS | <5 | None |
| ***51-2000*** | ***Assemblers and Fabricators*** | ***16,936*** | ***17,121*** | ***185*** | ***1.09%*** | ***636*** | ***1,208*** | ***92*** | ***1,936*** |  |  |  |
| **51-2011** | Aircraft Structure, Surfaces, Rigging, and Systems Assemblers | 147 | 148 | 1 | 0.68% | 6 | 10 | 0 | 16 | HS | None | MTOJT |
| **51-2021** | Coil Winders, Tapers, and Finishers | 345 | 336 | -9 | -2.61% | 14 | 22 | -4 | 32 | HS | None | MTOJT |
| **51-2028** | Electrical, Electronic, and Electromechanical Assemblers, Except  Coil Winders, Tapers, and Finishers | 2,035 | 2,070 | 35 | 1.72% | 82 | 132 | 18 | 232 | HS | None | MTOJT |
| **51-2031** | Engine and Other Machine Assemblers | 538 | 529 | -9 | -1.67% | 18 | 40 | -4 | 54 | HS | None | MTOJT |
| **51-2041** | Structural Metal Fabricators and Fitters | 1,065 | 1,074 | 9 | 0.85% | 24 | 86 | 4 | 114 | HS | None | MTOJT |
| **51-2051** | Fiberglass Laminators and Fabricators | 391 | 427 | 36 | 9.21% | 16 | 29 | 18 | 63 | HS | None | MTOJT |
| **51-2090** | Miscellaneous Assemblers and Fabricators | 12,415 | 12,537 | 122 | 0.98% | 476 | 890 | 61 | 1,427 | HS | None | MTOJT |
| ***51-3000*** | ***Food Processing Workers*** | ***17,677*** | ***17,922*** | ***245*** | ***1.39%*** | ***748*** | ***1,304*** | ***122*** | ***2,174*** |  |  |  |
| **51-3011** | Bakers | 1,184 | 1,222 | 38 | 3.21% | 67 | 90 | 19 | 176 | NFE | None | LTOJT |
| **51-3021** | Butchers and Meat Cutters | 951 | 999 | 48 | 5.05% | 40 | 72 | 24 | 136 | NFE | None | LTOJT |
| **51-3022** | Meat, Poultry, and Fish Cutters and Trimmers | 9,546 | 9,590 | 44 | 0.46% | 390 | 710 | 22 | 1,122 | NFE | None | STOJT |
| **51-3023** | Slaughterers and Meat Packers | 792 | 788 | -4 | -0.51% | 32 | 58 | -2 | 88 | NFE | None | STOJT |
| **51-3091** | Food and Tobacco Roasting, Baking, and Drying Machine Operators and  Tenders | 29 | 30 | 1 | 3.45% | 1 | 2 | 0 | 3 | NFE | None | MTOJT |
| **51-3092** | Food Batchmakers | 1,967 | 2,038 | 71 | 3.61% | 93 | 150 | 36 | 279 | HS | None | MTOJT |
| **51-3093** | Food Cooking Machine Operators and Tenders | 294 | 302 | 8 | 2.72% | 21 | 30 | 4 | 55 | HS | None | MTOJT |
| **51-3099** | Food Processing Workers, All Other | 2,914 | 2,953 | 39 | 1.34% | 104 | 192 | 20 | 316 | NFE | None | MTOJT |
| ***51-4000*** | ***Metal Workers and Plastic Workers*** | ***20,288*** | ***20,967*** | ***679*** | ***3.35%*** | ***642*** | ***1,462*** | ***340*** | ***2,444*** |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-4021** | Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and  Plastic | 1,535 | 1,563 | 28 | 1.82% | 54 | 96 | 14 | 164 | HS | None | MTOJT |
| **51-4023** | Rolling Machine Setters, Operators, and Tenders, Metal and Plastic | 774 | 791 | 17 | 2.20% | 27 | 48 | 8 | 83 | HS | None | MTOJT |
| **51-4031** | Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic | 2,286 | 2,325 | 39 | 1.71% | 73 | 158 | 20 | 251 | HS | None | MTOJT |
| **51-4033** | Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and  Tenders, Metal and Plastic | 595 | 638 | 43 | 7.23% | 28 | 42 | 22 | 92 | HS | None | MTOJT |
| **51-4034** | Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 313 | 322 | 9 | 2.88% | 10 | 22 | 4 | 36 | HS | None | MTOJT |
| **51-4035** | Milling and Planing Machine Setters, Operators, and Tenders, Metal and  Plastic | 117 | 116 | -1 | -0.85% | 4 | 8 | 0 | 12 | HS | None | MTOJT |
| **51-4041** | Machinists | 2,451 | 2,534 | 83 | 3.39% | 84 | 170 | 42 | 296 | HS | None | LTOJT |
| **51-4051** | Metal-Refining Furnace Operators and Tenders | 288 | 301 | 13 | 4.51% | 6 | 20 | 6 | 32 | HS | None | MTOJT |
| **51-4052** | Pourers and Casters, Metal | 90 | 96 | 6 | 6.67% | 2 | 6 | 3 | 11 | HS | None | MTOJT |
| **51-4071** | Foundry Mold and Coremakers | 102 | 115 | 13 | 12.75% | 4 | 8 | 6 | 18 | HS | None | MTOJT |
| **51-4072** | Molding, Coremaking, and Casting  Machine Setters, Operators, and Tenders, Metal and Plastic | 1,685 | 1,743 | 58 | 3.44% | 56 | 116 | 29 | 201 | HS | None | MTOJT |
| **51-4081** | Multiple Machine Tool Setters,  Operators, and Tenders, Metal and Plastic | 1,667 | 1,741 | 74 | 4.44% | 56 | 116 | 37 | 209 | HS | None | MTOJT |
| **51-4111** | Tool and Die Makers | 583 | 603 | 20 | 3.43% | 22 | 38 | 10 | 70 | PS | None | LTOJT |
| **51-4121** | Welders, Cutters, Solderers, and Brazers | 5,567 | 5,775 | 208 | 3.74% | 149 | 448 | 104 | 701 | HS | None | MTOJT |
| **51-4122** | Welding, Soldering, and Brazing  Machine Setters, Operators, and Tenders | 1,124 | 1,180 | 56 | 4.98% | 30 | 91 | 28 | 149 | HS | None | MTOJT |
| **51-4191** | Heat Treating Equipment Setters,  Operators, and Tenders, Metal and Plastic | 187 | 189 | 2 | 1.07% | 6 | 12 | 1 | 19 | HS | None | MTOJT |
| **51-4193** | Plating and Coating Machine Setters,  Operators, and Tenders, Metal and Plastic | 380 | 390 | 10 | 2.63% | 12 | 26 | 5 | 43 | HS | None | MTOJT |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-4194** | Tool Grinders, Filers, and Sharpeners | 176 | 174 | -2 | -1.14% | 6 | 12 | -1 | 17 | HS | None | MTOJT |
| **51-4199** | Metal Workers and Plastic Workers, All Other | 212 | 212 | 0 | 0.00% | 7 | 14 | 0 | 21 | HS | None | MTOJT |
| ***51-5100*** | ***Printing Workers*** | ***2,101*** | ***2,132*** | ***31*** | ***1.48%*** | ***82*** | ***150*** | ***16*** | ***248*** |  |  |  |
| **51-5111** | Prepress Technicians and Workers | 142 | 138 | -4 | -2.82% | 6 | 14 | -2 | 18 | PS | None | None |
| **51-5112** | Printing Press Operators | 1,594 | 1,622 | 28 | 1.76% | 58 | 113 | 14 | 185 | HS | None | MTOJT |
| **51-5113** | Print Binding and Finishing Workers | 365 | 372 | 7 | 1.92% | 18 | 23 | 4 | 45 | HS | None | MTOJT |
| ***51-6000*** | ***Textile, Apparel, and Furnishings Workers*** | ***3,856*** | ***3,832*** | ***-24*** | ***-0.62%*** | ***226*** | ***241*** | ***-12*** | ***455*** |  |  |  |
| **51-6011** | Laundry and Dry-Cleaning Workers | 1,656 | 1,661 | 5 | 0.30% | 108 | 112 | 2 | 222 | NFE | None | STOJT |
| **51-6021** | Pressers, Textile, Garment, and Related Materials | 221 | 214 | -7 | -3.17% | 10 | 13 | -4 | 19 | NFE | None | STOJT |
| **51-6031** | Sewing Machine Operators | 640 | 657 | 17 | 2.66% | 39 | 34 | 8 | 81 | NFE | None | STOJT |
| **51-6052** | Tailors, Dressmakers, and Custom Sewers | 90 | 90 | 0 | 0.00% | 7 | 4 | 0 | 11 | NFE | None | MTOJT |
| **51-6062** | Textile Cutting Machine Setters, Operators, and Tenders | 63 | 64 | 1 | 1.59% | 4 | 4 | 0 | 8 | HS | None | MTOJT |
| **51-6064** | Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and  Tenders | 322 | 317 | -5 | -1.55% | 17 | 20 | -2 | 35 | HS | None | MTOJT |
| **51-6093** | Upholsterers | 128 | 130 | 2 | 1.56% | 4 | 7 | 1 | 12 | HS | None | MTOJT |
| **51-6099** | Textile, Apparel, and Furnishings Workers, All Other | 35 | 37 | 2 | 5.71% | 2 | 2 | 1 | 5 | HS | None | STOJT |
| ***51-7000*** | ***Woodworkers*** | ***4,240*** | ***4,362*** | ***122*** | ***2.88%*** | ***150*** | ***290*** | ***61*** | ***501*** |  |  |  |
| **51-7011** | Cabinetmakers and Bench Carpenters | 1,335 | 1,342 | 7 | 0.52% | 50 | 74 | 4 | 128 | HS | None | MTOJT |
| **51-7021** | Furniture Finishers | 83 | 83 | 0 | 0.00% | 5 | 6 | 0 | 11 | HS | None | STOJT |
| **51-7041** | Sawing Machine Setters, Operators, and Tenders, Wood | 1,300 | 1,337 | 37 | 2.85% | 46 | 100 | 18 | 164 | HS | None | MTOJT |
| **51-7042** | Woodworking Machine Setters, Operators, and Tenders, Except Sawing | 1,326 | 1,392 | 66 | 4.98% | 40 | 98 | 33 | 171 | HS | None | MTOJT |
| **51-7099** | Woodworkers, All Other | 196 | 208 | 12 | 6.12% | 8 | 12 | 6 | 26 | HS | None | MTOJT |
| ***51-8000*** | ***Plant and System Operators*** | ***3,931*** | ***3,911*** | ***-20*** | ***-0.51%*** | ***112*** | ***264*** | ***-10*** | ***366*** |  |  |  |
| **51-8012** | Power Distributors and Dispatchers | 333 | 322 | -11 | -3.30% | 8 | 22 | -6 | 24 | HS | None | LTOJT |
| **51-8013** | Power Plant Operators | 274 | 264 | -10 | -3.65% | 7 | 18 | -5 | 20 | HS | None | LTOJT |
| **51-8021** | Stationary Engineers and Boiler Operators | 392 | 395 | 3 | 0.77% | 19 | 28 | 2 | 49 | HS | None | LTOJT |
| **51-8031** | Water and Wastewater Treatment Plant and System Operators | 1,867 | 1,866 | -1 | -0.05% | 52 | 116 | 0 | 168 | HS | None | LTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-8091** | Chemical Plant and System Operators | 293 | 307 | 14 | 4.78% | 7 | 23 | 7 | 37 | HS | None | MTOJT |
| **51-8092** | Gas Plant Operators | 186 | 176 | -10 | -5.38% | 4 | 14 | -5 | 13 | HS | None | LTOJT |
| **51-8093** | Petroleum Pump System Operators, Refinery Operators, and Gaugers | 310 | 311 | 1 | 0.32% | 8 | 24 | 0 | 32 | HS | None | MTOJT |
| ***51-9000*** | ***Other Production Occupations*** | ***38,266*** | ***39,241*** | ***975*** | ***2.55%*** | ***1,512*** | ***3,041*** | ***488*** | ***5,041*** |  |  |  |
| **51-9011** | Chemical Equipment Operators and Tenders | 970 | 1,001 | 31 | 3.20% | 22 | 76 | 16 | 114 | HS | None | MTOJT |
| **51-9012** | Separating, Filtering, Clarifying,  Precipitating, and Still Machine Setters, Operators, and Tenders | 636 | 651 | 15 | 2.36% | 14 | 50 | 8 | 72 | HS | None | MTOJT |
| **51-9021** | Crushing, Grinding, and Polishing  Machine Setters, Operators, and Tenders | 755 | 779 | 24 | 3.18% | 26 | 57 | 12 | 95 | HS | None | MTOJT |
| **51-9022** | Grinding and Polishing Workers, Hand | 545 | 570 | 25 | 4.59% | 19 | 42 | 12 | 73 | NFE | None | MTOJT |
| **51-9023** | Mixing and Blending Machine Setters, Operators, and Tenders | 1,483 | 1,559 | 76 | 5.12% | 52 | 114 | 38 | 204 | HS | None | MTOJT |
| **51-9031** | Cutters and Trimmers, Hand | 28 | 27 | -1 | -3.57% | 1 | 2 | 0 | 3 | NFE | None | STOJT |
| **51-9032** | Cutting and Slicing Machine Setters, Operators, and Tenders | 831 | 845 | 14 | 1.68% | 38 | 64 | 7 | 109 | HS | None | MTOJT |
| **51-9041** | Extruding, Forming, Pressing, and Compacting Machine Setters, Operators,  and Tenders | 1,136 | 1,175 | 39 | 3.43% | 32 | 85 | 20 | 137 | HS | None | MTOJT |
| **51-9051** | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders | 292 | 304 | 12 | 4.11% | 10 | 18 | 6 | 34 | HS | None | MTOJT |
| **51-9061** | Inspectors, Testers, Sorters, Samplers, and Weighers | 6,169 | 6,184 | 15 | 0.24% | 238 | 490 | 8 | 736 | HS | None | MTOJT |
| **51-9071** | Jewelers and Precious Stone and Metal Workers | 165 | 165 | 0 | 0.00% | 9 | 11 | 0 | 20 | HS | None | LTOJT |
| **51-9081** | Dental Laboratory Technicians | 349 | 359 | 10 | 2.87% | 16 | 29 | 5 | 50 | HS | None | MTOJT |
| **51-9082** | Medical Appliance Technicians | 76 | 78 | 2 | 2.63% | 4 | 6 | 1 | 11 | HS | None | MTOJT |
| **51-9083** | Ophthalmic Laboratory Technicians | 245 | 257 | 12 | 4.90% | 12 | 20 | 6 | 38 | HS | None | MTOJT |
| **51-9111** | Packaging and Filling Machine Operators and Tenders | 4,172 | 4,257 | 85 | 2.04% | 174 | 280 | 42 | 496 | HS | None | MTOJT |
| **51-9123** | Painting, Coating, and Decorating Workers | 61 | 62 | 1 | 1.64% | 2 | 4 | 0 | 6 | NFE | None | MTOJT |
| **51-9124** | Coating, Painting, and Spraying Machine Setters, Operators, and Tenders | 1,650 | 1,713 | 63 | 3.82% | 46 | 120 | 32 | 198 | HS | None | MTOJT |
| **51-9161** | Computer Numerically Controlled Tool Operators | 2,036 | 2,089 | 53 | 2.60% | 70 | 152 | 26 | 248 | HS | None | MTOJT |

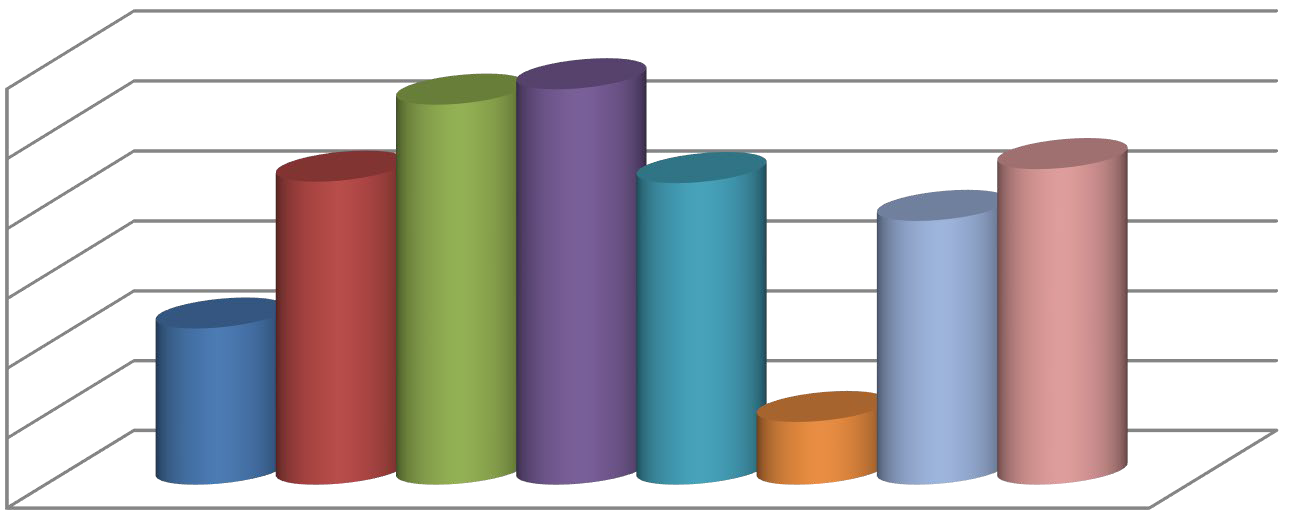
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-9162** | Computer Numerically Controlled Tool Programmers | 264 | 290 | 26 | 9.85% | 10 | 20 | 13 | 43 | PS | None | MTOJT |
| **51-9191** | Adhesive Bonding Machine Operators and Tenders | 357 | 370 | 13 | 3.64% | 20 | 24 | 6 | 50 | HS | None | MTOJT |
| **51-9192** | Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders | 154 | 164 | 10 | 6.49% | 6 | 12 | 5 | 23 | HS | None | MTOJT |
| **51-9193** | Cooling and Freezing Equipment Operators and Tenders | 353 | 368 | 15 | 4.25% | 12 | 26 | 8 | 46 | HS | None | MTOJT |
| **51-9195** | Molders, Shapers, and Casters, Except Metal and Plastic | 252 | 262 | 10 | 3.97% | 9 | 17 | 5 | 31 | HS | None | LTOJT |
| **51-9196** | Paper Goods Machine Setters, Operators, and Tenders | 2,521 | 2,475 | -46 | -1.82% | 112 | 166 | -23 | 255 | HS | None | MTOJT |
| **51-9198** | Helpers--Production Workers | 9,382 | 9,650 | 268 | 2.86% | 447 | 896 | 134 | 1,477 | HS | None | STOJT |
| **51-9199** | Production Workers, All Other | 2,860 | 3,032 | 172 | 6.01% | 101 | 218 | 86 | 405 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **53-0000** | **TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS** | **138,542** | **142,869** | **4,327** | **3.12%** | **6,374** | **10,829** | **2,164** | **19,367** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***53-1000*** | ***Supervisors of Transportation and Material Moving Workers*** | ***5,324*** | ***5,472*** | ***148*** | ***2.78%*** | ***197*** | ***374*** | ***74*** | ***645*** |  |  |  |
| ***53-2000*** | ***Air Transportation Workers*** | ***627*** | ***631*** | ***4*** | ***0.64%*** | ***22*** | ***44*** | ***2*** | ***68*** |  |  |  |
| **53-2011** | Airline Pilots, Copilots, and Flight Engineers | 220 | 220 | 0 | 0.00% | 8 | 16 | 0 | 24 | BD | <5 | MTOJT |
| **53-2012** | Commercial Pilots | 295 | 298 | 3 | 1.02% | 11 | 21 | 2 | 34 | HS | None | MTOJT |
| ***53-3000*** | ***Motor Vehicle Operators*** | ***60,219*** | ***61,579*** | ***1,360*** | ***2.26%*** | ***2,732*** | ***3,962*** | ***680*** | ***7,374*** |  |  |  |
| **53-3031** | Driver/Sales Workers | 3,275 | 3,337 | 62 | 1.89% | 136 | 224 | 31 | 391 | HS | None | STOJT |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 38,517 | 39,544 | 1,027 | 2.67% | 1,598 | 2,646 | 514 | 4,758 | PS | None | STOJT |
| **53-3033** | Light Truck or Delivery Services Drivers | 9,138 | 9,386 | 248 | 2.71% | 380 | 628 | 124 | 1,132 | HS | None | STOJT |
| **53-3052** | Bus Drivers, Transit and Intercity | 494 | 491 | -3 | -0.61% | 32 | 24 | -2 | 54 | HS | None | MTOJT |
| **53-3058** | Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity | 8,588 | 8,612 | 24 | 0.28% | 566 | 428 | 12 | 1,006 | NFE | None | STOJT |
| **53-5011** | Sailors and Marine Oilers | 55 | 48 | -7 | -12.73% | 2 | 4 | -4 | 2 | NFE | None | MTOJT |
| **53-5021** | Captains, Mates, and Pilots of Water Vessels | 23 | 23 | 0 | 0.00% | 0 | 2 | 0 | 2 | PS | <5 | None |
| ***53-6000*** | ***Other Transportation Workers*** | ***2,406*** | ***2,448*** | ***42*** | ***1.75%*** | ***114*** | ***214*** | ***21*** | ***349*** |  |  |  |
| **53-6011** | Bridge and Lock Tenders | 69 | 69 | 0 | 0.00% | 3 | 6 | 0 | 9 | HS | None | STOJT |
| **53-6021** | Parking Lot Attendants | 302 | 309 | 7 | 2.32% | 15 | 32 | 4 | 51 | NFE | None | STOJT |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Categories** | | |
| **Code** | **Title** | **2021**  **Estimated** | **2023**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **53-6031** | Automotive and Watercraft Service Attendants | 1,595 | 1,635 | 40 | 2.51% | 74 | 144 | 20 | 238 | NFE | None | STOJT |
| **53-6051** | Transportation Inspectors | 206 | 200 | -6 | -2.91% | 7 | 14 | -3 | 18 | HS | None | MTOJT |
| **53-6098** | Aircraft Service Attendants and Transportation Workers, All Other | 107 | 106 | -1 | -0.93% | 5 | 10 | 0 | 15 | HS | None | STOJT |
| ***53-7000*** | ***Material Moving Workers*** | ***67,389*** | ***70,263*** | ***2,874*** | ***4.26%*** | ***3,252*** | ***6,069*** | ***1,437*** | ***10,758*** |  |  |  |
| **53-7011** | Conveyor Operators and Tenders | 383 | 405 | 22 | 5.74% | 12 | 34 | 11 | 57 | NFE | None | STOJT |
| **53-7021** | Crane and Tower Operators | 735 | 756 | 21 | 2.86% | 20 | 57 | 10 | 87 | HS | <5 | MTOJT |
| **53-7041** | Hoist and Winch Operators | 109 | 112 | 3 | 2.75% | 4 | 10 | 2 | 16 | NFE | None | STOJT |
| **53-7051** | Industrial Truck and Tractor Operators | 9,248 | 9,913 | 665 | 7.19% | 288 | 736 | 332 | 1,356 | NFE | None | STOJT |
| **53-7061** | Cleaners of Vehicles and Equipment | 5,766 | 5,935 | 169 | 2.93% | 286 | 521 | 84 | 891 | NFE | None | STOJT |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 20,903 | 21,598 | 695 | 3.32% | 930 | 1,849 | 348 | 3,127 | NFE | None | STOJT |
| **53-7063** | Machine Feeders and Offbearers | 1,450 | 1,493 | 43 | 2.97% | 84 | 108 | 22 | 214 | NFE | None | STOJT |
| **53-7064** | Packers and Packagers, Hand | 5,567 | 5,630 | 63 | 1.13% | 319 | 454 | 32 | 805 | NFE | None | STOJT |
| **53-7065** | Stockers and Order Fillers | 20,459 | 21,586 | 1,127 | 5.51% | 1,196 | 2,050 | 564 | 3,810 | HS | None | STOJT |
| **53-7081** | Refuse and Recyclable Material Collectors | 2,321 | 2,377 | 56 | 2.41% | 100 | 212 | 28 | 340 | NFE | None | STOJT |
| **53-7121** | Tank Car, Truck, and Ship Loaders | 116 | 125 | 9 | 7.76% | 4 | 10 | 4 | 18 | NFE | None | STOJT |
| **53-7199** | Material Moving Workers, All Other | 159 | 163 | 4 | 2.52% | 5 | 14 | 2 | 21 | NFE | None | STOJT |

# 2021-2023 Projections by Education Level

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education Level** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| Doctoral or Professional Degree | 29,495 | 29,825 | 330 | 1.12% | 809 | 826 | 168 | 1,803 |
| Master's Degree | 22,233 | 22,715 | 482 | 2.17% | 661 | 1,018 | 242 | 1,921 |
| Bachelor's Degree | 276,631 | 284,142 | 7,511 | 2.72% | 7,826 | 14,285 | 3,752 | 25,863 |
| Associate’s Degree | 24,157 | 24,841 | 684 | 2.83% | 804 | 1,403 | 344 | 2,551 |
| Postsecondary Non-Degree Award | 112,439 | 114,871 | 2,432 | 2.16% | 4,657 | 6,788 | 1,218 | 12,663 |
| Some College, No Degree | 28,973 | 29,103 | 130 | 0.45% | 1,356 | 1,478 | 66 | 2,900 |
| High School Diploma or Equivalent | 587,179 | 598,278 | 11,099 | 1.89% | 25,451 | 38,873 | 5,545 | 69,869 |
| No Formal Educational Credential | 316,426 | 323,569 | 7,143 | 2.26% | 19,815 | 27,927 | 3,564 | 51,306 |

**Education Outlook**



**Doctoral or Professional Degree**

**Bachelor's Degree**

**Postsecondary Non-Degree Award High School Diploma or Equivalent**

**Master's Degree**

**Associate's Degree**

**Some College, No Degree No Formal Education**

**3.00%**

**2.50%**

**2.00%**

**1.50%**

**1.00%**

**0.50%**

**0.00%**

**Percent Growth by Education Level**

**2.72% 2.83%**

**2.16%**

**2.17% 2.26%**

**1.89%**

**1.12%**

**0.45%**

Occupations requiring a high school diploma are estimated to increase by 11,099 jobs between first quarter 2021 and first quarter 2023. Occupations requiring a Bachelor’s Degree are estimated to add 7,511 jobs. On the other hand, job opportunities should be plenty for jobs not requiring a college education, with 121,175 annual job openings during the 2021- 2023 projection period. At 2.83 percent, occupations requiring an Associate’s Degree are growing the fastest. Occupations requiring a college degree are forecast to add 8,997 jobs into the Arkansas job market and have a combined 32,138 annual openings.

Hot Jobs by Educational Level (Ordered by Education Type and Total Annual Openings)

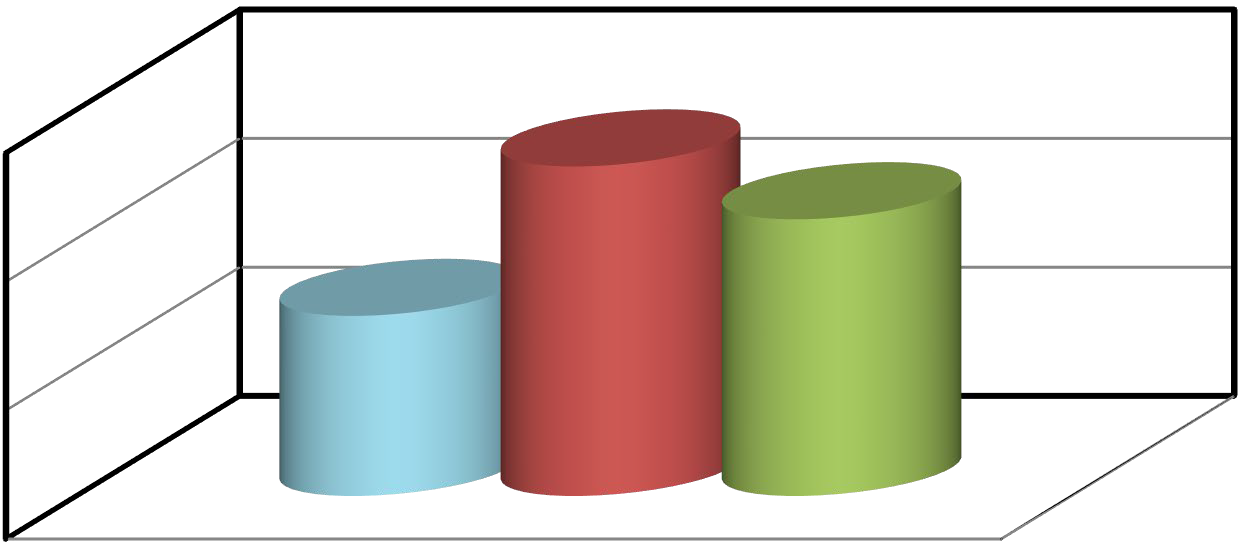
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Openings** | | | | | **Education/Training Assignments** | |
| **Code** | **Title** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | | **Total** | **Work Experience** | **Job Training** |
| **Doctoral or Professional Degree** | | | | | | | | | | | | |
| 23-1011 | Lawyers | 3,745 | 3,846 | 101 | 2.70% | 82 | 94 | | 50 | 226 | None | None |
| 25-1042 | Biological Science Teachers, Postsecondary | 1,690 | 1,698 | 8 | 0.47% | 76 | 79 | | 4 | 159 | None | None |
| 29-1051 | Pharmacists | 3,091 | 3,146 | 55 | 1.78% | 58 | 60 | | 28 | 146 | None | None |
| **Master's Degree** | | | | | | | | | | | | |
| 29-1171 | Nurse Practitioners | 2,851 | 3,145 | 294 | 10.31% | 62 | 94 | | 147 | 303 | None | None |
| 21-1012 | Educational, Guidance, School, and Vocational Counselors | 2,203 | 2,183 | -20 | -0.91% | 72 | 130 | | -10 | 192 | None | None |
| 29-1127 | Speech-Language Pathologists | 2,110 | 2,223 | 113 | 5.36% | 50 | 78 | | 56 | 184 | None | Internship/ Residency |
| **Bachelor's Degree** | | | | | | | | | | | | |
| 11-1021 | General and Operations Managers | 22,850 | 23,686 | 836 | 3.66% | 464 | 1,442 | | 418 | 2,324 | 5 years or more | None |
| 29-1141 | Registered Nurses | 26,125 | 26,518 | 393 | 1.50% | 702 | 662 | | 196 | 1,560 | None | None |
| 21-2011 | Clergy | 10,334 | 11,167 | 833 | 8.06% | 441 | 621 | | 416 | 1,478 | None | Moderate-Term OJT |
| **Associate's Degree** | | | | | | | | | | | | |
| 25-2011 | Preschool Teachers, Except Special Education | 4,011 | 4,186 | 175 | 4.36% | 168 | 239 | | 88 | 495 | None | None |
| 23-2011 | Paralegals and Legal Assistants | 2,266 | 2,332 | 66 | 2.91% | 89 | 155 | | 33 | 277 | None | None |
| 31-2021 | Physical Therapist Assistants | 1,455 | 1,553 | 98 | 6.74% | 64 | 114 | | 49 | 227 | None | None |
| **Postsecondary Non-Degree Award/Some College, No Degree** | | | | | | | | | | | | |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 38,517 | 39,544 | 1,027 | 2.67% | 1,598 | 2,646 | | 514 | 4,758 | None | Short-Term OJT |
| 31-1131 | Nursing Assistants | 17,577 | 17,646 | 69 | 0.39% | 1,128 | 997 | | 34 | 2,159 | None | None |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | 12,620 | 12,710 | 90 | 0.71% | 742 | 646 | | 45 | 1,433 | None | Moderate-Term OJT |
| **High School Diploma or Equivalent** | | | | | | | | | | | | |
| 11-9013 | Farmers, Ranchers, and Other Agricultural Managers | 48,507 | 48,429 | -78 | -0.16% | 2,990 | 1,684 | | -39 | 4,635 | 5 years or more | None |
| 53-7065 | Stockers and Order Fillers | 20,459 | 21,586 | 1,127 | 5.51% | 1,196 | 2,050 | | 564 | 3,810 | None | Short-Term OJT |
| 43-9061 | Office Clerks, General | 28,125 | 28,384 | 259 | 0.92% | 1,542 | 1,676 | | 130 | 3,348 | None | Short-term OJT |
| **No Formal Educational Credential** | | | | | | | | | | | | |
| 35-3023 | Fast Food and Counter Workers | 36,957 | 37,417 | 460 | 1.24% | 3,606 | 3,932 | | 230 | 7,768 | None | Short-term OJT |
| 41-2031 | Retail Salespersons | 37,722 | 38,463 | 741 | 1.96% | 2,130 | 3,146 | | 370 | 5,646 | None | Short-term OJT |
| 41-2011 | Cashiers | 27,728 | 28,335 | 607 | 2.19% | 2,384 | 2,684 | | 304 | 5,372 | None | Short-term OJT |

While formal education training is important, other factors are important or required by employers to receive competency in a particular job or to even be considered for certain jobs. One of these factors is work experience. Many occupations require some work experience in their line of work, especially those in career ladder occupations. For example, to become a manager, most employees need experience working in the line of work they will be managing. The following table shows projections by length of experience generally recommended or required.

# 2021-2023 Projections by Amount of Work Experience

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Amount of Work Experience** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| 5 years or more | 103,191 | 104,636 | 1,445 | 1.40% | 4,262 | 4,838 | 725 | 9,825 |
| Less than 5 years | 142,743 | 146,392 | 3,649 | 2.56% | 5,049 | 9,422 | 1,824 | 16,295 |
| None | 1,151,599 | 1,176,316 | 24,717 | 2.15% | 52,068 | 78,338 | 12,350 | 142,756 |

**Work Experience Outlook**



**Percent Growth by Amount of Work**

**Experience**

**3.00%**

**2.00%**

**2.15%**

**1.00%**

**1.40%**

**2.56%**

**0.00%**

**5 or More Years**

**Less than 5 Years**

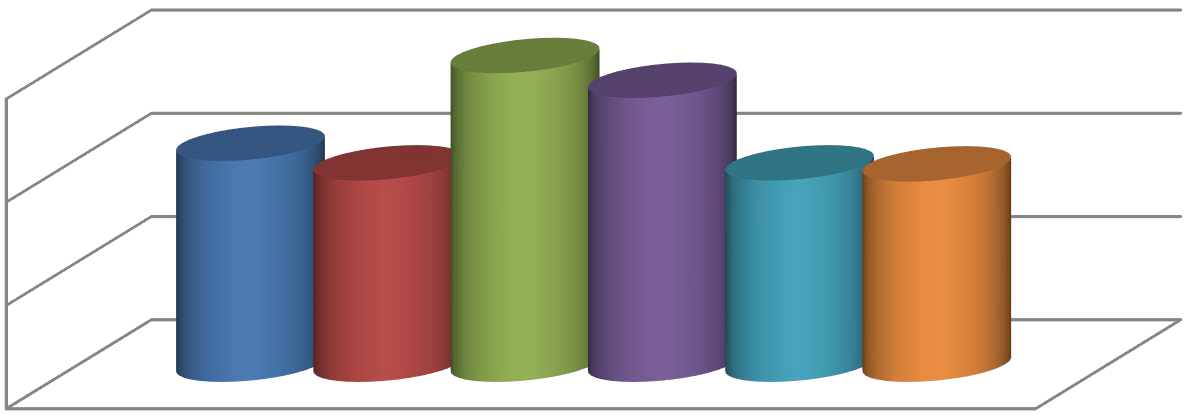
**None**

Another factor in determining full competency in an occupation is on-the-job training. Many occupations require additional training beyond formal education. Many jobs in education and in the medical field require internships or residency. Many skills-trade occupations recommend or require Apprenticeship programs. The following table shows projections by type of training needed.

# 2021-2023 Projections by Type of On-the-Job Training

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Job Training** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| Apprenticeship | 18,124 | 18,512 | 388 | 2.14% | 528 | 1,267 | 193 | 1,988 |
| Internship/Residency | 14,466 | 14,748 | 282 | 1.95% | 323 | 443 | 141 | 907 |
| Long-Term On-the-Job Training | 46,548 | 47,940 | 1,392 | 2.99% | 1,509 | 2,880 | 695 | 5,084 |
| Moderate-Term On-the-Job Training | 261,745 | 268,934 | 7,189 | 2.75% | 9,530 | 17,440 | 3,586 | 30,556 |
| Short-Term On-the-Job Training | 545,027 | 555,668 | 10,641 | 1.95% | 31,348 | 43,846 | 5,322 | 80,516 |
| None | 511,623 | 521,542 | 9,919 | 1.94% | 18,141 | 26,722 | 4,962 | 49,825 |

**Training Outlook**



**Percent Growth by Type of On-the-Job**

**Training**

**2.99% 2.75%**

**3.00% 2.14%**

**1.95%**

**1.95% 1.94%**

**2.00%**

**1.00%**

**0.00%**

**Apprenticeship**

**Moderate-Term OJT**

**Internship/Residency Long-Term OJT**

**Short-Term OJT None**

What matters most when looking for a job is not necessarily education alone or even your experience or additional on-the-job training, but the total package. Each occupation has a recommended path to become competent in that field. Every occupation has a recommended level of education, the length of work experience generally needed, and any additional on-the-job training needed. However, keep in mind that some employers may have more requirements, and some may even have less. The following table shows projections by education/training path.

# 2021-2023 Projections by Education Training Path

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education** | **Work Experience** | **Job Training** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| **Doctoral or Professional Degree** | **5 Years or More** | **Short-Term On- the-Job Training** | 494 | 499 | 5 | 1.01% | 12 | 12 | 3 | 27 |
| **Doctoral or Professional Degree** | **Less than 5 Years** | **None** | 2,041 | 2,041 | 0 | 0.00% | 90 | 95 | 0 | 185 |
| **Doctoral or Professional Degree** | **None** | **Internship/ Residency** | 7,503 | 7,595 | 92 | 1.23% | 131 | 110 | 46 | 287 |
| **Doctoral or Professional Degree** | **None** | **None** | 19,457 | 19,690 | 233 | 1.20% | 576 | 609 | 119 | 1,304 |
| **Master's Degree** | **5 Years or More** | **None** | 3,737 | 3,680 | -57 | -1.53% | 126 | 169 | -28 | 267 |
| **Master's Degree** | **Less than 5 Years** | **None** | 1,367 | 1,346 | -21 | -1.54% | 34 | 63 | -10 | 87 |
| **Master's Degree** | **None** | **Internship/ Residency** | 4,942 | 5,090 | 148 | 2.99% | 130 | 248 | 74 | 452 |
| **Master's Degree** | **None** | **None** | 12,187 | 12,599 | 412 | 3.38% | 371 | 538 | 206 | 1,115 |
| **Bachelor's Degree** | **5 Years or More** | **None** | 42,366 | 43,836 | 1,470 | 3.47% | 886 | 2,445 | 737 | 4,068 |
| **Bachelor's Degree** | **Less than 5 Years** | **Moderate-Term On-the-Job Training** | 3,286 | 3,312 | 26 | 0.79% | 74 | 183 | 14 | 271 |
| **Bachelor's Degree** | **Less than 5 Years** | **None** | 37,947 | 39,478 | 1,531 | 4.03% | 1,105 | 2,133 | 763 | 4,001 |
| **Bachelor's Degree** | **Less than 5 Years** | **Short-Term On- the-Job Training** | 132 | 135 | 3 | 2.27% | 4 | 8 | 2 | 14 |
| **Bachelor's Degree** | **None** | **Internship/ Residency** | 2,021 | 2,063 | 42 | 2.08% | 62 | 85 | 21 | 168 |
| **Bachelor's Degree** | **None** | **Long-Term On- the-Job Training** | 3,167 | 3,241 | 74 | 2.34% | 94 | 150 | 37 | 281 |
| **Bachelor's Degree** | **None** | **Moderate-Term On-the-Job Training** | 29,431 | 30,872 | 1,441 | 4.90% | 955 | 1,768 | 720 | 3,443 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education** | **Work Experience** | **Job Training** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| **Bachelor's Degree** | **None** | **None** | 157,286 | 160,200 | 2,914 | 1.85% | 4,624 | 7,453 | 1,453 | 13,530 |
| **Bachelor's Degree** | **None** | **Short-Term On- the-Job Training** | 995 | 1,005 | 10 | 1.01% | 22 | 60 | 5 | 87 |
| **Associate's Degree** | **Less than 5 Years** | **None** | 419 | 420 | 1 | 0.24% | 11 | 18 | 0 | 29 |
| **Associate's Degree** | **None** | **Long-Term On- the-Job Training** | 659 | 660 | 1 | 0.15% | 30 | 46 | 0 | 76 |
| **Associate's Degree** | **None** | **Moderate-Term On-the-Job**  **Training** | 1,727 | 1,770 | 43 | 2.49% | 48 | 148 | 22 | 218 |
| **Associate's Degree** | **None** | **None** | 21,157 | 21,804 | 647 | 3.06% | 710 | 1,177 | 326 | 2,213 |
| **Associate's Degree** | **None** | **Short-Term On- the-Job Training** | 195 | 187 | -8 | -4.10% | 5 | 14 | -4 | 15 |
| **Postsecondary Non-Degree Award** | **5 Years or More** | **Moderate-Term On-the-Job Training** | 36 | 37 | 1 | 2.78% | 2 | 2 | 0 | 4 |
| **Postsecondary Non-Degree Award** | **Less than 5 Years** | **Moderate-Term On-the-Job Training** | 1,274 | 1,282 | 8 | 0.63% | 32 | 54 | 4 | 90 |
| **Postsecondary Non-Degree Award** | **Less than 5 Years** | **None** | 200 | 196 | -4 | -2.00% | 10 | 16 | -2 | 24 |
| **Postsecondary Non-Degree Award** | **Less than 5 Years** | **Short-Term On- the-Job Training** | 794 | 813 | 19 | 2.39% | 22 | 34 | 10 | 66 |
| **Postsecondary Non-Degree Award** | **None** | **Long-Term On- the-Job Training** | 7,066 | 7,226 | 160 | 2.26% | 184 | 433 | 79 | 696 |
| **Postsecondary Non-Degree Award** | **None** | **Moderate-Term On-the-Job Training** | 2,128 | 2,169 | 41 | 1.93% | 74 | 162 | 21 | 257 |
| **Postsecondary Non-Degree Award** | **None** | **None** | 55,747 | 56,872 | 1,125 | 2.02% | 2,532 | 2,984 | 564 | 6,080 |
| **Postsecondary Non-Degree Award** | **None** | **Short-Term On- the-Job Training** | 45,194 | 46,276 | 1,082 | 2.39% | 1,801 | 3,103 | 542 | 5,446 |
| **Some College, No Degree** | **None** | **Long-Term On- the-Job Training** | 714 | 766 | 52 | 7.28% | 31 | 49 | 26 | 106 |
| **Some College, No Degree** | **None** | **Moderate-Term On-the-Job Training** | 12,620 | 12,710 | 90 | 0.71% | 742 | 646 | 45 | 1,433 |
| **Some College, No Degree** | **None** | **None** | 14,534 | 14,521 | -13 | -0.09% | 546 | 703 | -6 | 1,243 |
| **Some College, No Degree** | **None** | **Short-Term On- the-Job Training** | 1,105 | 1,106 | 1 | 0.09% | 37 | 80 | 1 | 118 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education** | **Work Experience** | **Job Training** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| **High School Diploma or**  **Equivalent** | **5 Years or More** | **Long-Term On- the-Job Training** | 3 | 3 | 0 | 0.00% | 0 | 0 | 0 | 0 |
| **High School Diploma or Equivalent** | **5 Years or More** | **Moderate-Term On-the-Job Training** | 977 | 973 | -4 | -0.41% | 53 | 59 | -2 | 110 |
| **High School Diploma or Equivalent** | **5 Years or More** | **None** | 55,578 | 55,608 | 30 | 0.05% | 3,183 | 2,151 | 15 | 5,349 |
| **High School Diploma or**  **Equivalent** | **Less than 5 Years** | **Long-Term On- the-Job Training** | 451 | 471 | 20 | 4.43% | 14 | 40 | 10 | 64 |
| **High School Diploma or Equivalent** | **Less than 5 Years** | **Moderate-Term On-the-Job Training** | 4,914 | 4,950 | 36 | 0.73% | 127 | 280 | 18 | 425 |
| **High School**  **Diploma or Equivalent** | **Less than 5 Years** | **None** | 80,535 | 81,931 | 1,396 | 1.73% | 2,956 | 5,668 | 698 | 9,322 |
| **High School Diploma or Equivalent** | **None** | **Apprenticeship** | 18,124 | 18,512 | 388 | 2.14% | 528 | 1,267 | 193 | 1,988 |
| **High School Diploma or Equivalent** | **None** | **Long-Term On- the-Job Training** | 29,983 | 30,813 | 830 | 2.77% | 916 | 1,851 | 417 | 3,184 |
| **High School**  **Diploma or Equivalent** | **None** | **Moderate-Term**  **On-the-Job Training** | 181,086 | 185,830 | 4,744 | 2.62% | 6,344 | 12,217 | 2,366 | 20,927 |
| **High School Diploma or Equivalent** | **None** | **None** | 7,065 | 7,320 | 255 | 3.61% | 381 | 500 | 127 | 1,008 |
| **High School Diploma or Equivalent** | **None** | **Short-Term On- the-Job Training** | 208,463 | 211,867 | 3,404 | 1.63% | 10,949 | 14,840 | 1,703 | 27,492 |
| **No Formal**  **Educational Credential** | **Less than 5 Years** | **Moderate-Term**  **On-the-Job Training** | 9,380 | 10,014 | 634 | 6.76% | 570 | 830 | 317 | 1,717 |
| **No Formal Educational Credential** | **Less than 5 Years** | **Short-Term On- the-Job Training** | 3 | 3 | 0 | 0.00% | 0 | 0 | 0 | 0 |
| **No Formal Educational Credential** | **None** | **Long-Term On- the-Job Training** | 4,505 | 4,760 | 255 | 5.66% | 240 | 311 | 126 | 677 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education** | **Work Experience** | **Job Training** | **2021**  **Estimated Employment** | **2023**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| **No Formal Educational**  **Credential** | **None** | **Moderate-Term On-the-Job**  **Training** | 14,886 | 15,015 | 129 | 0.87% | 509 | 1,091 | 61 | 1,661 |
| **No Formal Educational Credential** | **None** | **Short-Term On- the-Job Training** | 287,652 | 293,777 | 6,125 | 2.13% | 18,496 | 25,695 | 3,060 | 47,251 |

Appendix: Definition of Education/Training Codes

|  |  |  |
| --- | --- | --- |
| **Education Code** | **Type of Education** | **Definition** |
| DD | Doctoral Degree | Requires at least three years of full-time academic study beyond a BD. |
| MD | Master’s Degree | Requires one or two years of full-time academic study beyond a BD. |
| BD | Bachelor’s Degree | Requires four to five years of full-time academic study beyond high school. |
| AD | Associate’s Degree | Requires at least two years of full-time academic study beyond high school. |
| PS | Postsecondary Non-Degree Award | Programs last a few weeks to more than a year; leads to a certificate or other award, but not a degree. |
| SC | Some College, No Degree | Signifies the completion of a HS program and one or more postsecondary courses that did not result in a degree or award. |
| HS | High School Diploma or Equivalent | Signifies completion of high school or an equivalent program resulting in an award of a high school diploma or an equivalent. |
| NFE | No Formal Education Credential | This category signifies that a formal credential issued by an educational institution, such as a high school diploma or postsecondary certificate, is not typically needed for entry into the occupation. |

|  |  |
| --- | --- |
| **Work Experience Code** | **Amount of Work Experience** |
| 5+ | 5 or More Years |
| <5 | Less Than 5 Years |
| None | None |

|  |  |  |
| --- | --- | --- |
| **Job Training Code** | **Type of Training** | **Definition** |
| App | Apprenticeship | Combination of on-the-job training and related occupation-specific technical instruction in which workers learn the practical and theoretical aspects of an occupation. |
| I/R | Internship/Residency | A formal period of training during which individuals work under the supervision of experienced workers in a professional setting. Internships and residencies are required for state licensure in many fields. |
| LTOJT | Long-Term On-the-Job Training | Requires more than 12 months of on-the-job training or a combination of work experience and classroom instruction. |
| MTOJY | Moderate-Term On-the-Job Training | Requires 1 to 12 months of a combination of on-the-job experience and informal training. |
| STOJT | Short-Term On-the-Job Training | Requires a short demonstration of job duties or one month or less of on-the-job experience and informal training. |
| None | None | No additional training or preparation required. |

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