**Arkansas Statewide**

2022-2024



Short-Term Industry and Occupational Projections

**ARKANSAS**

**SHORT-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2022-2024**

|  |  |
| --- | --- |
|  |  |

Sarah Huckabee Sanders, Governor State of Arkansas

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

#### 2

**ARKANSAS**

**SHORT-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2022-2024**

Published By:

Division of Workforce Services Labor Market Information Occupational Career Information

“Equal Opportunity Employer/Program”

“Auxiliary aids and services are available upon request to individuals with disabilities.”

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/)

We would like to give special thanks to the following people who helped with the projections process: John Shelnutt, Department of Finance and Administration

**Definitions of Important Terms**

|  |  |
| --- | --- |
| **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 | 30 |
| Occupational Projections by Major Group | 31 |
| Occupational Outlook | 32 |
| **Occupational Rankings** |  |
| Top 20 Growing Occupations by Numeric Change | 37 |
| Top 20 Fastest Growing Occupations by Percent Change | 38 |
| Top 20 Occupations by Annual Exits | 39 |
| Top 20 Occupations by Annual Transfers | 40 |
| Top 20 Occupations by Total Annual Openings | 41 |
| Top 20 Declining Occupations by Numeric Change | 42 |
| Top 20 Fastest Declining Occupations by Percent Change | 43 |
| **Occupational Projections** | 44 |
| Projections by Educational Level | 75 |
| Education Outlook (includes charts) | 75 |
| Hot Jobs by Educational Level | 76 |
| Projections by Amount of Work Experience | 77 |
| Work Experience Outlook (includes charts) | 77 |
| Projections by Type of On-the-Job Training | 78 |
| Training Outlook (includes charts) | 78 |
| Projections by Education Training Path | 79 |
| Appendix: Definition of Education/Training Codes | 82 |

**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.

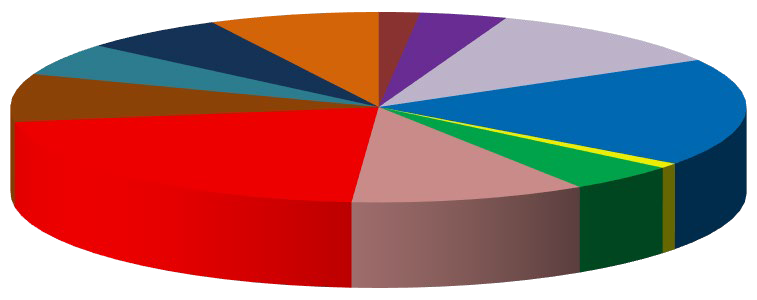
**State of Arkansas Profile**

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, including over 2,600 listings on the National Registry of Historical Places and around 53 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 associate degrees 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 3,045,637 as of July 1, 2022, an increase of 17,515 residents from the July 1, 2021, estimate of 3,028,122. The not-seasonally adjusted average unemployment rate for first quarter 2022 was 3.6 percent, while the seasonally adjusted number was 3.2 percent.



**Employment Distribution (First Quarter 2022)**

**7.50%**

**1.80%**

**3.85%**

**11.11%**

**6.33%**

**5.55%**

**8.14%**

**18.37%**

**0.86%**

**21.31%**

**10.36%**

**4.82%**

**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**

## Source: QCEW and CES-Non-Covered

**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 2022. 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 2021 OES semiannual survey to establish state staffing patterns and is provided through the Local Employment and Wage Information System (LEWIS). National staffing patterns from 2021 are used where state patterns do not exist. Some staffing adjustments are made for some non-covered industries.

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 2024. 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

2022-2024

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **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 2022 | The projected number of jobs expected to be in an industry in 2024 | Total number of jobs an industry is expected to gain or lose over the 2022 to 2024 period | Percent change in the number of jobs in an industry over the 2022 to 2024 period |

### 2022-2024 Arkansas Statewide Industry Projections by Major Division

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **000000** | **TOTAL ALL INDUSTRIES** | **1,443,563** | **1,482,621** | **39,058** | **2.71%** |
| **006010** | Self Employed Workers, All Jobs | 108,260 | 109,685 | 1,425 | 1.32% |
| **101000** | Goods Producing | 242,022 | 247,972 | 5,950 | 2.46% |
| **101100** | **NATURAL RESOURCES AND MINING** | **26,030** | **25,335** | **-695** | **-2.67%** |
| **110000** | Agriculture, Forestry, Fishing and Hunting | 22,721 | 22,011 | -710 | -3.12% |
| **210000** | Mining | 3,309 | 3,324 | 15 | 0.45% |
| **101200** | **CONSTRUCTION** | **55,566** | **58,296** | **2,730** | **4.91%** |
| **101300** | **MANUFACTURING** | **160,426** | **164,341** | **3,915** | **2.44%** |
|  | **Non-Durable Goods Manufacturing** | **83,122** | **84,489** | **1,367** | **1.64%** |
|  | **Durable Goods Manufacturing** | **77,304** | **79,852** | **2,548** | **3.30%** |
| **102000** | Services Providing | 1,093,281 | 1,124,964 | 31,683 | 2.90% |
| **102100** | **TRADE, TRANSPORTATION, AND UTILITIES** | **265,150** | **272,336** | **7,186** | **2.71%** |
| **420000** | Wholesale Trade | 49,844 | 51,989 | 2,145 | 4.30% |
| **440000** | Retail Trade | 140,398 | 144,103 | 3,705 | 2.64% |
| **480000** | Transportation and Warehousing | 67,390 | 68,802 | 1,412 | 2.10% |
| **220000** | Utilities | 7,518 | 7,442 | -76 | -1.01% |
| **102200** | **INFORMATION** | **12,441** | **12,696** | **255** | **2.05%** |
| **102300** | **FINANCIAL ACTIVITIES** | **69,604** | **74,754** | **5,150** | **7.40%** |
| ***520000*** | *Finance and Insurance* | *55,235* | *59,867* | *4,632* | *8.39%* |
| ***530000*** | *Real Estate and Rental and Leasing* | *14,369* | *14,887* | *518* | *3.60%* |
| **102400** | **PROFESSIONAL AND BUSINESS SERVICES** | **149,500** | **154,928** | **5,428** | **3.63%** |
| **540000** | Professional, Scientific, and Technical Services | 47,316 | 49,307 | 1,991 | 4.21% |
| **550000** | Management of Companies and Enterprises | 35,456 | 37,684 | 2,228 | 6.28% |
| **560000** | Administrative and Support and Waste Management and Remediation Services | 66,728 | 67,937 | 1,209 | 1.81% |
| **102500** | **EDUCATION AND HEALTH SERVICES** | **307,625** | **314,043** | **6,418** | **2.09%** |
| **610000** | Educational Services | 114,916 | 117,546 | 2,630 | 2.29% |
| **620000** | Health Care and Social Assistance | 192,709 | 196,497 | 3,788 | 1.97% |
| **102600** | **LEISURE AND HOSPITALITY** | **117,500** | **122,830** | **5,330** | **4.54%** |
| **710000** | Arts, Entertainment, and Recreation | 11,380 | 12,186 | 806 | 7.08% |
| **720000** | Accommodation and Food Services | 106,120 | 110,644 | 4,524 | 4.26% |
| **102700** | **OTHER SERVICES (EXCEPT GOVERNMENT)** | **80,057** | **83,386** | **3,329** | **4.16%** |
| **102800** | **GOVERNMENT** | **91,404** | **89,991** | **-1,413** | **-1.55%** |

**Industry Outlook**

Between first and second quarter 2020, Arkansas covered employment lost 83,237 jobs, a 6.84 percent drop. By first quarter 2022, employment in Arkansas has surpassed pre-pandemic levels by 0.93 percent. Between first quarter 2022 and first quarter 2024, employment in Arkansas is expected to increase by 39,058 jobs, a 2.71 percent increase. Goods-Producing industries are slated to raise employment levels by 5,950 jobs, or 2.46 percent, while Services-Providing industries could experience a job growth of 31,683 or 2.90 percent increase. Self Employed Workers, All Jobs is slated to see a gain of 1,425 jobs, a 1.32 percent uptick.

### 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 2.06 percent. The industry group, however, has lost 1.61 percent from first quarter 2020 to first quarter 2022. **Natural Resources and Mining** is expected to be one of two supersectors to experience a decline in the 2022-2024 timeframe, losing 695 jobs, or 2.67 percent of its workforce. Driving the decline is the **Agriculture, Forestry, Fishing, and Hunting** sector, which is estimated to lose 710 jobs, a 3.12 percent decline. *Animal Production* is slated to be included among the ten top declining industries, placing fourth, with a loss of 381 jobs, while *Support Activities for Agriculture and Forestry*, places tenth, cutting 192 jobs. The **Mining** sector, however, could see a slight increase in employment, with an increase of 0.45 percent, or 15 jobs.

### Construction

**Construction** was generally not impacted by the pandemic, gaining 414 jobs between first and second quarter 2020, a 0.79 percent increase. The industry group gained 3,311 jobs from first quarter 2020 and first quarter 2022. **Construction** is expected to raise employment by 4.91 percent or 2,730 jobs by first quarter 2024. The *Specialty Trade Contractors* subsector drives this growth, adding an estimated 1,916 jobs, more than 70 percent of the overall growth in **Construction.** Building Equipment Contractors is predicted to place

sixth among the ten highest growing industries, while Residential Construction could be among the ten fastest growing statewide, gaining an estimated 11.04 percent. On the negative side of the economy, Land Subdivision is slated to be the fastest declining industry in the state, cutting 37 jobs, or 46.25 percent of its workforce.

### Manufacturing

The **Manufacturing** supersector lost 9,743 jobs during the second quarter of 2020, a 6.05 percent drop. By first quarter of 2022, it recovered all but 540 jobs from pre-pandemic levels. During this projection period, **Manufacturing** is expected to add 3,915 jobs, an increase of 2.44 percent. **Non-Durable Goods Manufacturing** is estimated to gain 1,367 jobs, an increase of 1.64 percent. The group lost 3,960 jobs during the pandemic. *Food Manufacturing* could see the brightest outlook, with a gain of 1,208, more than 88 percent of the gain in **Non-Durable Goods Manufacturing**. Animal Slaughtering and Processing is slated to increase employment by 554 jobs, making the Top 25 Growing Industries list. Beverage and Tobacco Product Manufacturing is projected to be the fastest growing industry among Non-Durable goods industries, increasing its workforce by 8.58 percent. On the flip side, the *Leather and Allied Product Manufacturing* subsector is expected to lose 24.91 percent of its workforce, while the *Paper Manufacturing* subsector is slated to lose 408 jobs. Pulp, Paper, and Paperboard Mills is predicted to lose 285 jobs, or 11.31 percent of its workforce, placing seventh in numeric and percent decline. Footwear Manufacturing is anticipated to be the third

fastest declining industry, cutting 31.50 percent of its workforce, or 200 jobs, placing ninth in percent decline.

**Durable Goods Manufacturing** is projected to experience a gain of 2,548 jobs, an increase of 3.30 percent. The industry group lost 5,782 jobs during the pandemic. *Machinery Manufacturing* may have the brightest outlook, with a projected gain of 656 new jobs during the projection period. *Primary Metal Manufacturing* is slated to grow by

6.76 percent. Steel Product Manufacturing from Purchased Steel is projected to be the fourth fastest growing industry in the state, raising employment levels by 15.39 percent. On the negative side of the labor market, the *Furniture and Related Product Manufacturing* subsector could lose 140 jobs, or 4.17 percent of its workforce.

### Trade, Transportation, and Utilities

The **Trade, Transportation, and Utilities** supersector lost 10,618 jobs between first and second quarter 2020. By first quarter 2022, the supersector has exceeded pre-pandemic employment levels. **Trade, Transportation, and Utilities** is estimated to gain 7,186 jobs, a 2.71 percent increase, becoming the top growing supersector. **Wholesale Trade** is forecasted to experience a gain of 2,145, a 4.30 percent increase. The industry sector lost 1,510 jobs during the pandemic and has since fully recovered. Merchant Wholesalers, Nondurable Goods is slated to be fourth in the state in numeric change, gaining 1,673 jobs, while Merchant Wholesalers, Durable Goods is slated to add 756 to its own workforce. Wholesale Electronic Markets and Agents and Brokers could see a dip of 284, or 6.97 percent of its workforce between 2022 and 2024.

The **Retail Trade** sector lost 5,937 jobs between first and second quarter 2020. The sector has since exceeded pre-pandemic employment levels. During the 2022-2024 projections cycle, **Retail Trade** is estimated to gain 3,705 jobs, an increase of 2.64 percent. *General Merchandise Stores* is slated to add 1,020 jobs during the projection period, placing it eighth in numeric growth. Electronic Shopping and Mail Order Houses could be the fastest growing industry

in the state, increasing by 38.81 percent. On the negative side of the economy, Electronics and Appliance Stores is forecast to lose 119 jobs, or 4.01 percent of its workforce, while *Health and Personal Care Stores* could see a drop of 35 jobs.

The **Transportation and Warehousing** sector lost 3,171 jobs during the pandemic, or 5.64 percent of its workforce. As of first quarter 2022, the sector has fully recovered exceeding pre-pandemic employment levels. **Transportation and Warehousing** could see an increase of 1,412 jobs, an increase of 2.10 percent. Driving the growth is *Truck Transportation,* which is predicted to add 617 jobs, while *Warehousing and Storage,* is projected to increase employment by 609, both making the Top 25 Growing Industries list. On the reverse side of the labor market, *Water Transportation* could see a 42.31 percent reduction in employment, becoming the second fastest declining industry.

The **Utilities** sector was stable during the pandemic but has lost about 321 jobs since first quarter 2020. The industry is predicted to continue its downward trend with a job loss of 76, or 1.01 percent of its workforce. Electric Power Generation, Transmission and Distribution is predicted to lose 79 jobs, or 1.41 percent of its workforce, while Natural Gas Distribution is slated to lose 21 jobs, or

2.16 percent of its own workforce. Water, Sewage and Other Systems may be the only bright spot, adding 24 new jobs, or 2.52 percent to its employment.

### Information

The **Information** supersector lost 1,077 jobs between first and second quarter 2020. The **Information** supersector is forecasted to gain 255 jobs, or 2.05 percent during the 2022-2024 projection cycle. The industry group has surpassed pre-pandemic levels, gaining 254 jobs from first quarter 2020 and first quarter 2022, but not all industries have seen the same results. During the pandemic, Motion Picture and Video Industries lost over 62 percent of its workforce.

The industry has recovered about 519 of the lost jobs but has not

reached pre-pandemic levels. Data Processing, Hosting and Related Services is expected to add 413 jobs to its workforce, while Software Publishers could be the third fastest growing industry in the state, gaining 18.01 percent. On the flip side of the economy, Newspaper, Periodical, Book, and Directory Publishers is likely to struggle, losing an estimated 219 jobs, or 14.05 percent of its workforce, placing fifth in percent decline and eighth in numeric decline.

### Financial Activities

The **Financial Activities** supersector lost 672 jobs between first and second quarter 2020. By first quarter 2022, the industry has exceeded pre-pandemic employment levels. **Financial Activities** is estimated to increase by 5,150 or 7.40 percent during the projection period, making it the fastest growing supersector in the state. Most of those jobs come in the **Finance and Insurance** sector, which is slated to grow by 4,632 jobs. Insurance Carriers leads the supersector in numeric growth, projecting to add 3,468 jobs, an increase of 15.05 percent, becoming the second highest in numeric growth and among the five fastest growing statewide. The **Real Estate and Rental and Leasing** sector is predicted to add 518 jobs to its workforce. The sector lost 443 jobs during the pandemic and has experienced a net gain in jobs since first quarter 2020. Real Estate is slated to add 485 jobs, while Lessors of Nonfinancial Intangible Assets (except Copyrighted Works) could lose

14.06 percent of its workforce, placing it fourth in percent decline.

### Professional and Business Services

The **Professional and Business Services** supersector lost 12,215 jobs between first and second quarter 2020. By first quarter 2022, the supersector has exceeded pre-pandemic levels. Between first quarter 2022 and first quarter 2024, **Professional and Business Services** is estimated to gain 5,428 new jobs, a 3.63 percent gain. The **Professional, Scientific, and Technical Services** sector is slated to add 1,991 new jobs, or an additional 4.21 percent. The sector lost 2,057 jobs during the pandemic and has since fully recovered.

Management, Scientific, and Technical Consulting Services is slated to add 575 jobs, an increase of 7.29 percent.

**Management of Companies and Enterprises** could increase employment by 2,228 jobs, placing fourth in the Top 20 Growing Industries list. The sector lost 862 jobs during the pandemic but has now exceeded pre-pandemic levels.

The **Administrative and Support and Waste Management and Remediation Services** sector lost the most jobs among **Professional Business Services,** cutting 9,296 jobs, or 13.97 percent of the workforce during the pandemic. However, the sector has surpassed pre-pandemic levels. The sector is expected to add 1,209 new jobs, an increase of 1.81 percent. Employment Services is projected to gain 537 jobs, while Other Support Services is expected to raise employment by 7.75 percent. On the flip side of the labor market, Business Support Services could lose 93 jobs, or 1.12 percent of its workforce.

### Education and Health Services

**Education and Health Services** lost 19,875 jobs between first and second quarter 2020, some of which is the seasonal nature of parts of this industry group. This supersector has experienced a mixed recovery with some industries recovering completely, while others continuing to decline. **Education and Health Services** is estimated to add 6,418 jobs, an increase of 2.09 percent during the 2022-2024 projection cycle. The **Educational Services** sector is estimated to increase employment by 2,630 jobs, a 2.29 percent rise in employment. The sector is currently at 98.63% of pre-pandemic employment levels. Elementary and Secondary Schools could be seventh in numeric change, growing by 1,396 jobs. Business Schools and Computer and Management Training is slated to increase its employment by 13.46 percent, becoming one of the ten fastest growing industries in the state.

The **Healthcare and Social Assistance** sector lost 13,020 jobs during the pandemic and parts of this sector have continued to struggle, while others have fully recovered. The sector is slated to gain 3,788 new jobs during the projection period, a 1.97 percent gain. Most of the gain for this projection cycle is estimated to occur in *Ambulatory Health Care Services*, gaining 1,954 new jobs. This industry subsector has since fully recovered from its pandemic employment loss of 4,794 jobs. Offices of Physicians is set be among the ten highest growing industries, adding 812 new jobs to its workforce, while General Medical and Surgical Hospitals, in the *Hospitals* subsector, is slated to add 781. On the negative side of the job market, Nursing Care Facilities (Skilled Nursing Facilities) could see a drop of 570 jobs, placing it third in numeric decline.

### Leisure and Hospitality

The **Leisure and Hospitality** supersector was the hardest hit by the pandemic. The industry group lost 27,948 jobs as restrictions were placed heavily on this supersector. The supersector has struggled a bit, losing 1,524 jobs from first quarter 2020 and first quarter 2022.

**Leisure and Hospitality** is forecast to increase by 5,330, a growth of

4.54 percent. The **Arts, Entertainment, and Recreation** sector, which lost 3,006 jobs between first and second quarter 2020, is slated to gain 806 jobs between 2022 and 2024, or a 7.08 percent gain. The *Amusement, Gambling, and Recreation Industries* sector is slated to add 714 jobs. Independent Artists, Writers, and Performers is predicted to be the fifth fastest growing industry, increasing its workforce by 15.05 percent. One downside to this sector could come in Performing Arts Companies, which is predicted to cut 3.73 percent of its workforce, or 16 jobs being lost.

**Accommodation and Food Services** is projected to see a gain of 4,524 jobs, an increase of 4.26 percent. The sector experienced the worst loss of jobs during the pandemic with 24,942 jobs being lost. While strong recovery from the pandemic loss has occurred, the sector has lost 1,344 jobs from first quarter 2020 and first quarter 2022.

Restaurants and Other Eating Places is anticipated to gain 3,714 new

jobs, or a 4.14 percent gain, making it the top growing industry in the state.

### Other Services (Except Government)

The **Other Services (Except Government)** supersector lost 2,393 jobs between first and second quarter 2020. The industry group has exceeded pre-pandemic employment levels. **Other Services (Except Government)** is projected to gain 3,329 jobs between 2022 and 2024, an increase of 4.16 percent. The outlook is, however, mixed.

*Religious, Grantmaking, Civic, Professional, and Similar Organizations* is estimated to gain 3,406 new jobs, an increase of 6.25 percent. Grantmaking and Giving Services is slated to be the third highest in numeric growth, adding 2,458 jobs, and second in percent growth, increasing by 34.41 percent. Two other industries in the major group could be among the ten fastest growing industries. Social Advocacy Organizations and Other Personal Services are each slated to increase by more than ten percent. On the negative side of the economy, Private Households could see a loss of 630 jobs, becoming the second highest declining industry in Arkansas. Drycleaning and Laundry Services could be among the ten fastest declining industries, losing 5.62 percent.

### Government

Government employers grew during the pandemic second quarter 2020, gaining 570 jobs. However, the **Government** supersector has lost 2,223 jobs from first quarter 2020 and first quarter 2022. The supersector is expected to struggle this projection cycle, losing a projected 1,413 jobs. All three levels of government are anticipating losses with Local Government, Excluding Education and Hospitals estimating a drop of 941 jobs, while State Government, Excluding Education and Hospitals losing 347 jobs. Federal Government, Excluding Post Office is expected to lose 102 jobs, while Postal Service could experience a more modest cut of only 23 jobs.

**Top 25 Growing Industries by Numeric Change**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated**  **Employment** | **2024**  **Projected**  **Employment** | **Numeric Change** | **Percent Change** |
| **722500** | Restaurants and Other Eating Places | 89,758 | 93,472 | **3,714** | 4.14% |
| **524100** | Insurance Carriers | 23,041 | 26,509 | **3,468** | 15.05% |
| **813200** | Grantmaking and Giving Services | 7,144 | 9,602 | **2,458** | 34.41% |
| **551000** | Management of Companies and Enterprises | 35,456 | 37,684 | **2,228** | 6.28% |
| **424000** | Merchant Wholesalers, Nondurable Goods | 19,333 | 21,006 | **1,673** | 8.65% |
| **238200** | Building Equipment Contractors | 20,175 | 21,741 | **1,566** | 7.76% |
| **611100** | Elementary and Secondary Schools | 77,255 | 78,651 | **1,396** | 1.81% |
| **452000** | General Merchandise Stores | 39,209 | 40,229 | **1,020** | 2.60% |
| **621100** | Offices of Physicians | 27,151 | 27,963 | **812** | 2.99% |
| **622100** | General Medical and Surgical Hospitals | 51,855 | 52,636 | **781** | 1.51% |
| **423000** | Merchant Wholesalers, Durable Goods | 26,437 | 27,193 | **756** | 2.86% |
| **611300** | Colleges, Universities, and Professional Schools | 26,866 | 27,617 | **751** | 2.80% |
| **621300** | Offices of Other Health Practitioners | 10,684 | 11,416 | **732** | 6.85% |
| **453000** | Miscellaneous Store Retailers | 7,909 | 8,595 | **686** | 8.67% |
| **522000** | Credit Intermediation and Related Activities | 20,006 | 20,687 | **681** | 3.40% |
| **813300** | Social Advocacy Organizations | 5,739 | 6,412 | **673** | 11.73% |
| **444100** | Building Material and Supplies Dealers | 10,827 | 11,492 | **665** | 6.14% |
| **333000** | Machinery Manufacturing | 12,261 | 12,917 | **656** | 5.35% |
| **447000** | Gasoline Stations | 12,740 | 13,367 | **627** | 4.92% |
| **484000** | Truck Transportation | 32,714 | 33,331 | **617** | 1.89% |
| **493000** | Warehousing and Storage | 15,840 | 16,449 | **609** | 3.84% |
| **332000** | Fabricated Metal Product Manufacturing | 15,628 | 16,234 | **606** | 3.88% |
| **541600** | Management, Scientific, and Technical Consulting Services | 7,891 | 8,466 | **575** | 7.29% |
| **311600** | Animal Slaughtering and Processing | 32,887 | 33,441 | **554** | 1.68% |
| **561300** | Employment Services | 27,909 | 28,446 | **537** | 1.92% |

**Top 25 Fastest Growing Industries by Percent Change (Minimum 50 Employment)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated**  **Employment** | **2024**  **Projected**  **Employment** | **Numeric Change** | **Percent Change** |
| **454100** | Electronic Shopping and Mail Order Houses | 469 | 651 | 182 | **38.81%** |
| **813200** | Grantmaking and Giving Services | 7,144 | 9,602 | 2,458 | **34.41%** |
| **511200** | Software Publishers | 544 | 642 | 98 | **18.01%** |
| **331200** | Steel Product Manufacturing from Purchased Steel | 1,507 | 1,739 | 232 | **15.39%** |
| **524100** | Insurance Carriers | 23,041 | 26,509 | 3,468 | **15.05%** |
| **611400** | Business Schools and Computer and Management Training | 156 | 177 | 21 | **13.46%** |
| **813300** | Social Advocacy Organizations | 5,739 | 6,412 | 673 | **11.73%** |
| **236100** | Residential Building Construction | 4,295 | 4,769 | 474 | **11.04%** |
| **812900** | Other Personal Services | 1,375 | 1,526 | 151 | **10.98%** |
| **711500** | Independent Artists, Writers, and Performers | 79 | 87 | 8 | **10.13%** |
| **722300** | Special Food Services | 4,989 | 5,491 | 502 | **10.06%** |
| **518000** | Data Processing, Hosting and Related Services | 4,358 | 4,771 | 413 | **9.48%** |
| **622300** | Specialty (except Psychiatric and Substance Abuse) Hospitals | 5,986 | 6,506 | 520 | **8.69%** |
| **453000** | Miscellaneous Store Retailers | 7,909 | 8,595 | 686 | **8.67%** |
| **424000** | Merchant Wholesalers, Nondurable Goods | 19,333 | 21,006 | 1,673 | **8.65%** |
| **312000** | Beverage and Tobacco Product Manufacturing | 1,749 | 1,899 | 150 | **8.58%** |
| **611500** | Technical and Trade Schools | 1,283 | 1,391 | 108 | **8.42%** |
| **442100** | Furniture Stores | 1,998 | 2,161 | 163 | **8.16%** |
| **331100** | Iron and Steel Mills and Ferroalloy Manufacturing | 3,831 | 4,142 | 311 | **8.12%** |
| **512100** | Motion Picture and Video Industries | 982 | 1,059 | 77 | **7.84%** |
| **238200** | Building Equipment Contractors | 20,175 | 21,741 | 1,566 | **7.76%** |
| **321900** | Other Wood Product Manufacturing | 3,363 | 3,624 | 261 | **7.76%** |
| **561900** | Other Support Services | 1,238 | 1,334 | 96 | **7.75%** |
| **562900** | Remediation and Other Waste Management Services | 1,524 | 1,642 | 118 | **7.74%** |
| **541600** | Management, Scientific, and Technical Consulting Services | 7,891 | 8,466 | 575 | **7.29%** |

**Top 25 Declining Industries by Numeric Change**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated**  **Employment** | **2024**  **Projected**  **Employment** | **Numeric Change** | **Percent Change** |
| **999300** | Local Government, Excluding Education and Hospitals | 39,522 | 38,581 | **-941** | -2.38% |
| **814000** | Private Households | 6,370 | 5,740 | **-630** | -9.89% |
| **623100** | Nursing Care Facilities (Skilled Nursing Facilities) | 17,866 | 17,296 | **-570** | -3.19% |
| **112000** | Animal Production | 7,347 | 6,966 | **-381** | -5.19% |
| **999200** | State Government, Excluding Education and Hospitals | 31,276 | 30,929 | **-347** | -1.11% |
| **322100** | Pulp, Paper, and Paperboard Mills | 2,519 | 2,234 | **-285** | -11.31% |
| **425000** | Wholesale Electronic Markets and Agents and Brokers | 4,074 | 3,790 | **-284** | -6.97% |
| **511100** | Newspaper, Periodical, Book, and Directory Publishers | 1,559 | 1,340 | **-219** | -14.05% |
| **316200** | Footwear Manufacturing | 635 | 435 | **-200** | -31.50% |
| **115000** | Support Activities for Agriculture and Forestry | 5,122 | 4,930 | **-192** | -3.75% |
| **813100** | Religious Organizations | 32,651 | 32,487 | **-164** | -0.50% |
| **337000** | Furniture and Related Product Manufacturing | 3,358 | 3,218 | **-140** | -4.17% |
| **322200** | Converted Paper Product Manufacturing | 6,219 | 6,096 | **-123** | -1.98% |
| **443000** | Electronics and Appliance Stores | 2,971 | 2,852 | **-119** | -4.01% |
| **999100** | Federal Government, Excluding Post Office | 15,076 | 14,974 | **-102** | -0.68% |
| **621600** | Home Health Care Services | 6,379 | 6,281 | **-98** | -1.54% |
| **812300** | Drycleaning and Laundry Services | 1,726 | 1,629 | **-97** | -5.62% |
| **441100** | Automobile Dealers | 11,606 | 11,512 | **-94** | -0.81% |
| **517000** | Telecommunications | 3,274 | 3,181 | **-93** | -2.84% |
| **561400** | Business Support Services | 8,298 | 8,205 | **-93** | -1.12% |
| **221100** | Electric Power Generation, Transmission and Distribution | 5,595 | 5,516 | **-79** | -1.41% |
| **111000** | Crop Production | 8,049 | 7,984 | **-65** | -0.81% |
| **811200** | Electronic and Precision Equipment Repair and Maintenance | 893 | 847 | **-46** | -5.15% |
| **237200** | Land Subdivision | 80 | 43 | **-37** | -46.25% |
| **811400** | Personal and Household Goods Repair and Maintenance | 715 | 686 | **-29** | -4.06% |

**Top 25 Fastest Declining Industries by Percent Change (Minimum Decline of 5)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated**  **Employment** | **2024**  **Projected**  **Employment** | **Numeric Change** | **Percent Change** |
| **237200** | Land Subdivision | 80 | 43 | -37 | **-46.25%** |
| **483000** | Water Transportation | 26 | 15 | -11 | **-42.31%** |
| **316200** | Footwear Manufacturing | 635 | 435 | -200 | **-31.50%** |
| **533000** | Lessors of Nonfinancial Intangible Assets (except Copyrighted Works) | 64 | 55 | -9 | **-14.06%** |
| **511100** | Newspaper, Periodical, Book, and Directory Publishers | 1,559 | 1,340 | -219 | **-14.05%** |
| **322100** | Pulp, Paper, and Paperboard Mills | 2,519 | 2,234 | -285 | **-11.31%** |
| **814000** | Private Households | 6,370 | 5,740 | -630 | **-9.89%** |
| **425000** | Wholesale Electronic Markets and Agents and Brokers | 4,074 | 3,790 | -284 | **-6.97%** |
| **488300** | Support Activities for Water Transportation | 444 | 419 | -25 | **-5.63%** |
| **812300** | Drycleaning and Laundry Services | 1,726 | 1,629 | -97 | **-5.62%** |
| **112000** | Animal Production | 7,347 | 6,966 | -381 | **-5.19%** |
| **811200** | Electronic and Precision Equipment Repair and Maintenance | 893 | 847 | -46 | **-5.15%** |
| **337000** | Furniture and Related Product Manufacturing | 3,358 | 3,218 | -140 | **-4.17%** |
| **811400** | Personal and Household Goods Repair and Maintenance | 715 | 686 | -29 | **-4.06%** |
| **443000** | Electronics and Appliance Stores | 2,971 | 2,852 | -119 | **-4.01%** |
| **115000** | Support Activities for Agriculture and Forestry | 5,122 | 4,930 | -192 | **-3.75%** |
| **711100** | Performing Arts Companies | 429 | 413 | -16 | **-3.73%** |
| **623100** | Nursing Care Facilities (Skilled Nursing Facilities) | 17,866 | 17,296 | -570 | **-3.19%** |
| **999300** | Local Government, Excluding Education and Hospitals | 39,522 | 38,581 | -941 | **-2.38%** |
| **451200** | Book, Periodical, and Music Stores | 379 | 370 | -9 | **-2.37%** |
| **331400** | Nonferrous Metal (except Aluminum) Production and Processing | 268 | 262 | -6 | **-2.24%** |
| **221200** | Natural Gas Distribution | 972 | 951 | -21 | **-2.16%** |
| **448200** | Shoe Stores | 903 | 884 | -19 | **-2.10%** |
| **322200** | Converted Paper Product Manufacturing | 6,219 | 6,096 | -123 | **-1.98%** |
| **621600** | Home Health Care Services | 6,379 | 6,281 | -98 | **-1.54%** |

.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **000000** | **TOTAL ALL INDUSTRIES** | **1,443,563** | **1,482,621** | **39,058** | **2.71%** |
|  |  |  |  |  |  |
| **006010** | Self Employed Workers, All Jobs | 108,260 | 109,685 | 1,425 | 1.32% |
|  |  |  |  |  |  |
| **101000** | Goods Producing | 242,022 | 247,972 | 5,950 | 2.46% |
|  |  |  |  |  |  |
| **101100** | **NATURAL RESOURCES AND MINING** | **26,030** | **25,335** | **-695** | **-2.67%** |
|  |  |  |  |  |  |
| **110000** | **Agriculture, Forestry, Fishing and Hunting** | **22,721** | **22,011** | **-710** | **-3.12%** |
| ***111000*** | *Crop Production* | *8,049* | *7,984* | *-65* | *-0.81%* |
| ***112000*** | *Animal Production* | *7,347* | *6,966* | *-381* | *-5.19%* |
| ***115000*** | *Support Activities for Agriculture and Forestry* | *5,122* | *4,930* | *-192* | *-3.75%* |
|  |  |  |  |  |  |
| **210000** | **Mining** | **3,309** | **3,324** | **15** | **0.45%** |
| ***211000*** | *Oil and Gas Extraction* | *444* | *439* | *-5* | *-1.13%* |
| ***212000*** | *Mining (except Oil and Gas)* | *1,834* | *1,847* | *13* | *0.71%* |
| ***213000*** | *Support Activities for Mining* | *1,031* | *1,038* | *7* | *0.68%* |
|  |  |  |  |  |  |
| **101200** | **CONSTRUCTION** | **55,566** | **58,296** | **2,730** | **4.91%** |
|  |  |  |  |  |  |
| ***236000*** | *Construction of Buildings* | *11,260* | *11,764* | *504* | *4.48%* |
| **236100** | Residential Building Construction | 4,295 | 4,769 | 474 | 11.04% |
| **236200** | Nonresidential Building Construction | 6,965 | 6,995 | 30 | 0.43% |
| ***237000*** | *Heavy and Civil Engineering Construction* | *9,204* | *9,514* | *310* | *3.37%* |
| **237100** | Utility System Construction | 5,331 | 5,612 | 281 | 5.27% |
| **237200** | Land Subdivision | 80 | 43 | -37 | -46.25% |
| **237300** | Highway, Street, and Bridge Construction | 3,083 | 3,139 | 56 | 1.82% |
| **237900** | Other Heavy and Civil Engineering Construction | 710 | 720 | 10 | 1.41% |
| ***238000*** | *Specialty Trade Contractors* | *35,102* | *37,018* | *1,916* | *5.46%* |
| **238100** | Foundation, Structure, and Building Exterior Contractors | 5,826 | 5,934 | 108 | 1.85% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **238200** | Building Equipment Contractors | 20,175 | 21,741 | 1,566 | 7.76% |
| **238300** | Building Finishing Contractors | 3,984 | 4,158 | 174 | 4.37% |
| **238900** | Other Specialty Trade Contractors | 5,117 | 5,185 | 68 | 1.33% |
|  |  |  |  |  |  |
| **101300** | **MANUFACTURING** | **160,426** | **164,341** | **3,915** | **2.44%** |
|  |  |  |  |  |  |
|  | **Non-Durable Goods Manufacturing** | **83,122** | **84,489** | **1,367** | **1.64%** |
|  |  |  |  |  |  |
| ***311000*** | *Food Manufacturing* | *49,544* | *50,752* | *1,208* | *2.44%* |
| **311100** | Animal Food Manufacturing | 2,007 | 2,120 | 113 | 5.63% |
| **311200** | Grain and Oilseed Milling | 2,917 | 3,081 | 164 | 5.62% |
| **311400** | Fruit and Vegetable Preserving and Specialty Food Manufacturing | 4,427 | 4,489 | 62 | 1.40% |
| **311600** | Animal Slaughtering and Processing | 32,887 | 33,441 | 554 | 1.68% |
| **311800** | Bakeries and Tortilla Manufacturing | 4,281 | 4,472 | 191 | 4.46% |
| **311900** | Other Food Manufacturing | 2,474 | 2,606 | 132 | 5.34% |
| ***312000*** | *Beverage and Tobacco Product Manufacturing* | *1,749* | *1,899* | *150* | *8.58%* |
| ***313000*** | *Textile Mills* | *148* | *211* | *63* | *42.57%* |
| ***314000*** | *Textile Product Mills* | *788* | *800* | *12* | *1.52%* |
| **314100** | Textile Furnishings Mills | 20 | 20 | 0 | 0.00% |
| **314900** | Other Textile Product Mills | 768 | 780 | 12 | 1.56% |
| ***315000*** | *Apparel Manufacturing* | *709* | *731* | *22* | *3.10%* |
| **315100** | Apparel Knitting Mills | 397 | 409 | 12 | 3.02% |
| **315200** | Cut and Sew Apparel Manufacturing | 177 | 181 | 4 | 2.26% |
| **315900** | Apparel Accessories and Other Apparel Manufacturing | 135 | 141 | 6 | 4.44% |
| ***316000*** | *Leather and Allied Product Manufacturing* | *819* | *615* | *-204* | *-24.91%* |
| **316200** | Footwear Manufacturing | 635 | 435 | -200 | -31.50% |
| ***322000*** | *Paper Manufacturing* | *8,738* | *8,330* | *-408* | *-4.67%* |
| **322100** | Pulp, Paper, and Paperboard Mills | 2,519 | 2,234 | -285 | -11.31% |
| **322200** | Converted Paper Product Manufacturing | 6,219 | 6,096 | -123 | -1.98% |
| ***323000*** | *Printing and Related Support Activities* | *3,039* | *3,022* | *-17* | *-0.56%* |
| ***324000*** | *Petroleum and Coal Products Manufacturing* | *1,134* | *1,177* | *43* | *3.79%* |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| ***325000*** | *Chemical Manufacturing* | *5,458* | *5,555* | *97* | *1.78%* |
| ***326000*** | *Plastics and Rubber Products Manufacturing* | *10,996* | *11,397* | *401* | *3.65%* |
| **326100** | Plastics Product Manufacturing | 6,777 | 7,002 | 225 | 3.32% |
| **326200** | Rubber Product Manufacturing | 4,219 | 4,395 | 176 | 4.17% |
|  |  |  |  |  |  |
|  | **Durable Goods Manufacturing** | **77,304** | **79,852** | **2,548** | **3.30%** |
|  |  |  |  |  |  |
| ***321000*** | *Wood Product Manufacturing* | *10,380* | *10,843* | *463* | *4.46%* |
| **321100** | Sawmills and Wood Preservation | 4,903 | 4,993 | 90 | 1.84% |
| **321200** | Veneer, Plywood, and Engineered Wood Product Manufacturing | 2,114 | 2,226 | 112 | 5.30% |
| **321900** | Other Wood Product Manufacturing | 3,363 | 3,624 | 261 | 7.76% |
| ***327000*** | *Nonmetallic Mineral Product Manufacturing* | *3,468* | *3,461* | *-7* | *-0.20%* |
| ***331000*** | *Primary Metal Manufacturing* | *7,880* | *8,413* | *533* | *6.76%* |
| **331100** | Iron and Steel Mills and Ferroalloy Manufacturing | 3,831 | 4,142 | 311 | 8.12% |
| **331200** | Steel Product Manufacturing from Purchased Steel | 1,507 | 1,739 | 232 | 15.39% |
| **331300** | Alumina and Aluminum Production | 891 | 907 | 16 | 1.80% |
| **331400** | Nonferrous Metal (except Aluminum) Production and Processing | 268 | 262 | -6 | -2.24% |
| **331500** | Foundries | 1,383 | 1,363 | -20 | -1.45% |
| ***332000*** | *Fabricated Metal Product Manufacturing* | *15,628* | *16,234* | *606* | *3.88%* |
| ***333000*** | *Machinery Manufacturing* | *12,261* | *12,917* | *656* | *5.35%* |
| ***336000*** | *Transportation Equipment Manufacturing* | *14,575* | *15,065* | *490* | *3.36%* |
| **336200** | Motor Vehicle Body and Trailer Manufacturing | 2,255 | 2,279 | 24 | 1.06% |
| **336300** | Motor Vehicle Parts Manufacturing | 4,683 | 4,741 | 58 | 1.24% |
| **336400** | Aerospace Product and Parts Manufacturing | 4,095 | 4,392 | 297 | 7.25% |
| **336600** | Ship and Boat Building | 2,203 | 2,294 | 91 | 4.13% |
| ***337000*** | *Furniture and Related Product Manufacturing* | *3,358* | *3,218* | *-140* | *-4.17%* |
| ***339000*** | *Miscellaneous Manufacturing* | *3,607* | *3,673* | *66* | *1.83%* |
| **339100** | Medical Equipment and Supplies Manufacturing | 1,810 | 1,831 | 21 | 1.16% |
| **339900** | Other Miscellaneous Manufacturing | 1,797 | 1,842 | 45 | 2.50% |
|  |  |  |  |  |  |
| **102000** | Services Providing | 1,093,281 | 1,124,964 | 31,683 | 2.90% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **102100** | **TRADE, TRANSPORTATION, AND UTILITIES** | **265,150** | **272,336** | **7,186** | **2.71%** |
|  |  |  |  |  |  |
| **420000** | **Wholesale Trade** | **49,844** | **51,989** | **2,145** | **4.30%** |
| ***423000*** | *Merchant Wholesalers, Durable Goods* | *26,437* | *27,193* | *756* | *2.86%* |
| ***424000*** | *Merchant Wholesalers, Nondurable Goods* | *19,333* | *21,006* | *1,673* | *8.65%* |
| ***425000*** | *Wholesale Electronic Markets and Agents and Brokers* | *4,074* | *3,790* | *-284* | *-6.97%* |
|  |  |  |  |  |  |
| **440000** | **Retail Trade** | **140,398** | **144,103** | **3,705** | **2.64%** |
| ***441000*** | *Motor Vehicle and Parts Dealers* | *19,408* | *19,640* | *232* | *1.20%* |
| **441100** | Automobile Dealers | 11,606 | 11,512 | -94 | -0.81% |
| **441200** | Other Motor Vehicle Dealers | 1,846 | 1,928 | 82 | 4.44% |
| **441300** | Automotive Parts, Accessories, and Tire Stores | 5,956 | 6,200 | 244 | 4.10% |
| ***442000*** | *Furniture and Home Furnishings Stores* | *3,533* | *3,690* | *157* | *4.44%* |
| **442100** | Furniture Stores | 1,998 | 2,161 | 163 | 8.16% |
| **442200** | Home Furnishings Stores | 1,535 | 1,529 | -6 | -0.39% |
| ***443000*** | *Electronics and Appliance Stores* | *2,971* | *2,852* | *-119* | *-4.01%* |
| ***444000*** | *Building Material and Garden Equipment and Supplies Dealers* | *13,108* | *13,882* | *774* | *5.90%* |
| **444100** | Building Material and Supplies Dealers | 10,827 | 11,492 | 665 | 6.14% |
| **444200** | Lawn and Garden Equipment and Supplies Stores | 2,281 | 2,390 | 109 | 4.78% |
| ***445000*** | *Food and Beverage Stores* | *20,503* | *20,506* | *3* | *0.01%* |
| ***446000*** | *Health and Personal Care Stores* | *8,817* | *8,782* | *-35* | *-0.40%* |
| ***447000*** | *Gasoline Stations* | *12,740* | *13,367* | *627* | *4.92%* |
| ***448000*** | *Clothing and Clothing Accessories Stores* | *6,994* | *7,083* | *89* | *1.27%* |
| **448100** | Clothing Stores | 5,434 | 5,532 | 98 | 1.80% |
| **448200** | Shoe Stores | 903 | 884 | -19 | -2.10% |
| **448300** | Jewelry, Luggage, and Leather Goods Stores | 657 | 667 | 10 | 1.52% |
| ***451000*** | *Sporting Goods, Hobby, Book, and Music Stores* | *4,204* | *4,301* | *97* | *2.31%* |
| **451100** | Sporting Goods, Hobby, and Musical Instrument Stores | 3,825 | 3,931 | 106 | 2.77% |
| **451200** | Book, Periodical, and Music Stores | 379 | 370 | -9 | -2.37% |
| ***452000*** | *General Merchandise Stores* | *39,209* | *40,229* | *1,020* | *2.60%* |
| ***453000*** | *Miscellaneous Store Retailers* | *7,909* | *8,595* | *686* | *8.67%* |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| ***454000*** | *Nonstore Retailers* | *1,002* | *1,176* | *174* | *17.37%* |
| **454100** | Electronic Shopping and Mail Order Houses | 469 | 651 | 182 | 38.81% |
| **454300** | Direct Selling Establishments | 533 | 525 | -8 | -1.50% |
|  |  |  |  |  |  |
| **480000** | **Transportation and Warehousing** | **67,390** | **68,802** | **1,412** | **2.10%** |
|  |  |  |  |  |  |
| ***481000*** | *Air Transportation* | *675* | *686* | *11* | *1.63%* |
| **481100** | Scheduled Air Transportation | 598 | 606 | 8 | 1.34% |
| **481200** | Nonscheduled Air Transportation | 77 | 80 | 3 | 3.90% |
| ***483000*** | *Water Transportation* | *26* | *15* | *-11* | *-42.31%* |
| ***484000*** | *Truck Transportation* | *32,714* | *33,331* | *617* | *1.89%* |
| ***486000*** | *Pipeline Transportation* | *508* | *461* | *-47* | *-9.25%* |
| ***488000*** | *Support Activities for Transportation* | *5,713* | *5,847* | *134* | *2.35%* |
| **488100** | Support Activities for Air Transportation | 1,126 | 1,172 | 46 | 4.09% |
| **488200** | Support Activities for Rail Transportation | 584 | 604 | 20 | 3.42% |
| **488300** | Support Activities for Water Transportation | 444 | 419 | -25 | -5.63% |
| **488400** | Support Activities for Road Transportation | 926 | 965 | 39 | 4.21% |
| **488500** | Freight Transportation Arrangement | 2,556 | 2,610 | 54 | 2.11% |
| **488900** | Other Support Activities for Transportation | 77 | 77 | 0 | 0.00% |
| ***492000*** | *Couriers and Messengers* | *6,356* | *6,786* | *430* | *6.77%* |
| ***493000*** | *Warehousing and Storage* | *15,840* | *16,449* | *609* | *3.84%* |
|  |  |  |  |  |  |
| **220000** | **Utilities** | **7,518** | **7,442** | **-76** | **-1.01%** |
|  |  |  |  |  |  |
| **221100** | Electric Power Generation, Transmission and Distribution | 5,595 | 5,516 | -79 | -1.41% |
| **221200** | Natural Gas Distribution | 972 | 951 | -21 | -2.16% |
| **221300** | Water, Sewage and Other Systems | 951 | 975 | 24 | 2.52% |
|  |  |  |  |  |  |
| **102200** | **INFORMATION** | **12,441** | **12,696** | **255** | **2.05%** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| ***511000*** | *Publishing Industries (except Internet)* | *2,103* | *1,982* | *-121* | *-5.75%* |
| **511100** | Newspaper, Periodical, Book, and Directory Publishers | 1,559 | 1,340 | -219 | -14.05% |
| **511200** | Software Publishers | 544 | 642 | 98 | 18.01% |
| ***512000*** | *Motion Picture and Sound Recording Industries* | *1,009* | *1,089* | *80* | *7.93%* |
| **512100** | Motion Picture and Video Industries | 982 | 1,059 | 77 | 7.84% |
| **512200** | Sound Recording Industries | 27 | 30 | 3 | 11.11% |
| ***515000*** | *Broadcasting (except Internet)* | *1,352* | *1,305* | *-47* | *-3.48%* |
| ***517000*** | *Telecommunications* | *3,274* | *3,181* | *-93* | *-2.84%* |
| ***518000*** | *Data Processing, Hosting and Related Services* | *4,358* | *4,771* | *413* | *9.48%* |
| ***519000*** | *Other Information Services* | *345* | *368* | *23* | *6.67%* |
|  |  |  |  |  |  |
| **102300** | **FINANCIAL ACTIVITIES** | **69,604** | **74,754** | **5,150** | **7.40%** |
|  |  |  |  |  |  |
| **520000** | **Finance and Insurance** | **55,235** | **59,867** | **4,632** | **8.39%** |
| ***522000*** | *Credit Intermediation and Related Activities* | *20,006* | *20,687* | *681* | *3.40%* |
| ***523000*** | *Securities, Commodity Contracts, and Other Financial Investments and Related Activities* | *3,153* | *3,202* | *49* | *1.55%* |
| ***524000*** | *Insurance Carriers and Related Activities* | *31,986* | *35,893* | *3,907* | *12.21%* |
| **524100** | Insurance Carriers | 23,041 | 26,509 | 3,468 | 15.05% |
| **524200** | Agencies, Brokerages, and Other Insurance Related Activities | 8,945 | 9,384 | 439 | 4.91% |
|  |  |  |  |  |  |
| **530000** | **Real Estate and Rental and Leasing** | **14,369** | **14,887** | **518** | **3.60%** |
|  |  |  |  |  |  |
| ***531000*** | *Real Estate* | *10,533* | *11,018* | *485* | *4.60%* |
| ***532000*** | *Rental and Leasing Services* | *3,772* | *3,814* | *42* | *1.11%* |
| ***533000*** | *Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)* | *64* | *55* | *-9* | *-14.06%* |
|  |  |  |  |  |  |
| **102400** | **PROFESSIONAL AND BUSINESS SERVICES** | **149,500** | **154,928** | **5,428** | **3.63%** |
|  |  |  |  |  |  |
| **540000** | **Professional, Scientific, and Technical Services** | **47,316** | **49,307** | **1,991** | **4.21%** |
|  |  |  |  |  |  |
| **541100** | Legal Services | 6,197 | 6,470 | 273 | 4.41% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **541200** | Accounting, Tax Preparation, Bookkeeping, and Payroll Services | 6,838 | 7,105 | 267 | 3.90% |
| **541300** | Architectural, Engineering, and Related Services | 7,039 | 7,328 | 289 | 4.11% |
| **541400** | Specialized Design Services | 491 | 497 | 6 | 1.22% |
| **541500** | Computer Systems Design and Related Services | 8,911 | 9,140 | 229 | 2.57% |
| **541600** | Management, Scientific, and Technical Consulting Services | 7,891 | 8,466 | 575 | 7.29% |
| **541700** | Scientific Research and Development Services | 1,002 | 1,017 | 15 | 1.50% |
| **541800** | Advertising, Public Relations, and Related Services | 4,229 | 4,314 | 85 | 2.01% |
| **541900** | Other Professional, Scientific, and Technical Services | 4,718 | 4,970 | 252 | 5.34% |
|  |  |  |  |  |  |
| **550000** | **Management of Companies and Enterprises** | **35,456** | **37,684** | **2,228** | **6.28%** |
|  |  |  |  |  |  |
| **560000** | **Administrative and Support and Waste Management and Remediation Services** | **66,728** | **67,937** | **1,209** | **1.81%** |
|  |  |  |  |  |  |
| ***561000*** | *Administrative and Support Services* | *62,637* | *63,609* | *972* | *1.55%* |
| **561100** | Office Administrative Services | 4,193 | 4,369 | 176 | 4.20% |
| **561200** | Facilities Support Services | 732 | 749 | 17 | 2.32% |
| **561300** | Employment Services | 27,909 | 28,446 | 537 | 1.92% |
| **561400** | Business Support Services | 8,298 | 8,205 | -93 | -1.12% |
| **561500** | Travel Arrangement and Reservation Services | 277 | 277 | 0 | 0.00% |
| **561600** | Investigation and Security Services | 4,736 | 4,793 | 57 | 1.20% |
| **561700** | Services to Buildings and Dwellings | 15,254 | 15,436 | 182 | 1.19% |
| **561900** | Other Support Services | 1,238 | 1,334 | 96 | 7.75% |
| ***562000*** | *Waste Management and Remediation Service* | *4,091* | *4,328* | *237* | *5.79%* |
| **562100** | Waste Collection | 1,335 | 1,383 | 48 | 3.60% |
| **562200** | Waste Treatment and Disposal | 1,232 | 1,303 | 71 | 5.76% |
| **562900** | Remediation and Other Waste Management Services | 1,524 | 1,642 | 118 | 7.74% |
|  |  |  |  |  |  |
| **102500** | **EDUCATION AND HEALTH SERVICES** | **307,625** | **314,043** | **6,418** | **2.09%** |
|  |  |  |  |  |  |
| **610000** | **Educational Services** | **114,916** | **117,546** | **2,630** | **2.29%** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **611100** | Elementary and Secondary Schools | 77,255 | 78,651 | 1,396 | 1.81% |
| **611200** | Junior Colleges | 6,788 | 7,020 | 232 | 3.42% |
| **611300** | Colleges, Universities, and Professional Schools | 26,866 | 27,617 | 751 | 2.80% |
| **611400** | Business Schools and Computer and Management Training | 156 | 177 | 21 | 13.46% |
| **611500** | Technical and Trade Schools | 1,283 | 1,391 | 108 | 8.42% |
| **611600** | Other Schools and Instruction | 1,933 | 2,023 | 90 | 4.66% |
| **611700** | Educational Support Services | 635 | 667 | 32 | 5.04% |
|  |  |  |  |  |  |
| **620000** | **Health Care and Social Assistance** | **192,709** | **196,497** | **3,788** | **1.97%** |
|  |  |  |  |  |  |
| ***621000*** | *Ambulatory Health Care Services* | *62,455* | *64,409* | *1,954* | *3.13%* |
| **621100** | Offices of Physicians | 27,151 | 27,963 | 812 | 2.99% |
| **621200** | Offices of Dentists | 7,765 | 7,839 | 74 | 0.95% |
| **621300** | Offices of Other Health Practitioners | 10,684 | 11,416 | 732 | 6.85% |
| **621400** | Outpatient Care Centers | 5,704 | 5,890 | 186 | 3.26% |
| **621500** | Medical and Diagnostic Laboratories | 1,689 | 1,770 | 81 | 4.80% |
| **621600** | Home Health Care Services | 6,379 | 6,281 | -98 | -1.54% |
| **621900** | Other Ambulatory Health Care Services | 3,083 | 3,250 | 167 | 5.42% |
| ***622000*** | *Hospitals* | *66,630* | *68,438* | *1,808* | *2.71%* |
| **622100** | General Medical and Surgical Hospitals | 51,855 | 52,636 | 781 | 1.51% |
| **622200** | Psychiatric and Substance Abuse Hospitals | 8,789 | 9,296 | 507 | 5.77% |
| **622300** | Specialty (except Psychiatric and Substance Abuse) Hospitals | 5,986 | 6,506 | 520 | 8.69% |
| ***623000*** | *Nursing and Residential Care Facilities* | *26,932* | *26,515* | *-417* | *-1.55%* |
| **623100** | Nursing Care Facilities (Skilled Nursing Facilities) | 17,866 | 17,296 | -570 | -3.19% |
| **623200** | Residential Intellectual & Developmental Disability, Mental Health, & Substance Abuse Facilities | 3,957 | 3,981 | 24 | 0.61% |
| **623300** | Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly | 4,189 | 4,285 | 96 | 2.29% |
| **623900** | Other Residential Care Facilities | 920 | 953 | 33 | 3.59% |
| ***624000*** | *Social Assistance* | *36,692* | *37,135* | *443* | *1.21%* |
| **624100** | Individual and Family Services | 22,267 | 22,380 | 113 | 0.51% |
| **624200** | Community Food and Housing, and Emergency and Other Relief Services | 1,459 | 1,491 | 32 | 2.19% |
| **624300** | Vocational Rehabilitation Services | 2,510 | 2,484 | -26 | -1.04% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **624400** | Child Day Care Services | 10,456 | 10,780 | 324 | 3.10% |
|  |  |  |  |  |  |
| **102600** | **LEISURE AND HOSPITALITY** | **117,500** | **122,830** | **5,330** | **4.54%** |
|  |  |  |  |  |  |
| **710000** | **Arts, Entertainment, and Recreation** | **11,380** | **12,186** | **806** | **7.08%** |
|  |  |  |  |  |  |
| ***711000*** | *Performing Arts, Spectator Sports, and Related Industries* | *2,279* | *2,323* | *44* | *1.93%* |
| **711100** | Performing Arts Companies | 429 | 413 | -16 | -3.73% |
| **711200** | Spectator Sports | 1,152 | 1,175 | 23 | 2.00% |
| **711300** | Promoters of Performing Arts, Sports, and Similar Events | 580 | 612 | 32 | 5.52% |
| **711400** | Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures | 39 | 36 | -3 | -7.69% |
| **711500** | Independent Artists, Writers, and Performers | 79 | 87 | 8 | 10.13% |
| ***712000*** | *Museums, Historical Sites, and Similar Institution* | *781* | *829* | *48* | *6.15%* |
| ***713000*** | *Amusement, Gambling, and Recreation Industries* | *8,320* | *9,034* | *714* | *8.58%* |
|  |  |  |  |  |  |
| **720000** | **Accommodation and Food Services** | **106,120** | **110,644** | **4,524** | **4.26%** |
|  |  |  |  |  |  |
| ***721000*** | *Accommodation, including Hotels and Motels* | *10,410* | *10,697* | *287* | *2.76%* |
| **721100** | Traveler Accommodation | 9,894 | 10,165 | 271 | 2.74% |
| **721200** | RV (Recreational Vehicle) Parks and Recreational Camps | 427 | 439 | 12 | 2.81% |
| **721300** | Rooming and Boarding Houses | 89 | 93 | 4 | 4.49% |
| ***722000*** | *Food Services and Drinking Places* | *95,710* | *99,947* | *4,237* | *4.43%* |
| **722300** | Special Food Services | 4,989 | 5,491 | 502 | 10.06% |
| **722400** | Drinking Places (Alcoholic Beverages) | 963 | 984 | 21 | 2.18% |
| **722500** | Restaurants and Other Eating Places | 89,758 | 93,472 | 3,714 | 4.14% |
|  |  |  |  |  |  |
| **102700** | **Other Services (except Government)** | **80,057** | **83,386** | **3,329** | **4.16%** |
|  |  |  |  |  |  |
| ***811000*** | *Repair and Maintenance* | *11,809* | *12,101* | *292* | *2.47%* |
| **811100** | Automotive Repair and Maintenance | 7,480 | 7,766 | 286 | 3.82% |
| **811200** | Electronic and Precision Equipment Repair and Maintenance | 893 | 847 | -46 | -5.15% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **811300** | Commercial and Industrial Machinery and Equipment (except Automotive and  Electronic) Repair and Maintenance | 2,721 | 2,802 | 81 | 2.98% |
| **811400** | Personal and Household Goods Repair and Maintenance | 715 | 686 | -29 | -4.06% |
| ***812000*** | *Personal and Laundry Services* | *7,368* | *7,630* | *262* | *3.56%* |
| **812100** | Personal Care Services | 2,773 | 2,960 | 187 | 6.74% |
| **812200** | Death Care Services | 1,494 | 1,515 | 21 | 1.41% |
| **812300** | Drycleaning and Laundry Services | 1,726 | 1,629 | -97 | -5.62% |
| **812900** | Other Personal Services | 1,375 | 1,526 | 151 | 10.98% |
| ***813000*** | *Religious, Grantmaking, Civic, Professional, and Similar Organizations* | *54,510* | *57,915* | *3,405* | *6.25%* |
| **813100** | Religious Organizations | 32,651 | 32,487 | -164 | -0.50% |
| **813200** | Grantmaking and Giving Services | 7,144 | 9,602 | 2,458 | 34.41% |
| **813300** | Social Advocacy Organizations | 5,739 | 6,412 | 673 | 11.73% |
| **813400** | Civic and Social Organizations | 1,044 | 1,055 | 11 | 1.05% |
| **813900** | Business, Professional, Labor, Political, and Similar Organizations | 7,932 | 8,359 | 427 | 5.38% |
| ***814000*** | *Private Households* | *6,370* | *5,740* | *-630* | *-9.89%* |
|  |  |  |  |  |  |
| **102800** | **GOVERNMENT** | **91,404** | **89,991** | **-1,413** | **-1.55%** |
|  |  |  |  |  |  |
| ***910000*** | *Total Federal Government Employment* | *20,606* | *20,481* | *-125* | *-0.61%* |
| **491100** | Postal Service | 5,530 | 5,507 | -23 | -0.42% |
| **999100** | Federal Government, Excluding Post Office | 15,076 | 14,974 | -102 | -0.68% |
| **999200** | State Government, Excluding Education and Hospitals | 31,276 | 30,929 | -347 | -1.11% |
| **999300** | Local Government, Excluding Education and Hospitals | 39,522 | 38,581 | -941 | -2.38% |

## EXPLANATION OF OCCUPATIONAL PROJECTIONS DATA ARKANSAS-STATEWIDE

2022-2024

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/ Training**  **Codes** |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **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 2022 | The projected number of jobs expected to be in an occupation in 2024 | Total number of jobs an occupation is expected to gain or lose over the 2022  to 2024 period | Percent change in the number of jobs in an occupation over the 2022 to  2024 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 82 for definitions. |

### 2022-2024 Arkansas Statewide Occupational Projections by Major Group

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **SOC**  **Code** | **SOC Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change1** | **Total2** |
| **00-0000** | **Total, All Occupations** | **1,443,563** | **1,482,621** | **39,058** | **2.71%** | **71,868** | **97,972** | **19,529** | **189,369** |
| **11-0000** | Management Occupations | 137,192 | 141,220 | 4,028 | 2.94% | 5,599 | 6,885 | 2,014 | 14,498 |
| **13-0000** | Business and Financial Operations Occupations | 75,003 | 79,716 | 4,713 | 6.28% | 2,396 | 4,397 | 2,356 | 9,149 |
| **15-0000** | Computer and Mathematical Occupations | 24,083 | 25,325 | 1,242 | 5.16% | 554 | 1,194 | 621 | 2,369 |
| **17-0000** | Architecture and Engineering Occupations | 11,899 | 12,297 | 398 | 3.34% | 352 | 578 | 199 | 1,129 |
| **19-0000** | Life, Physical, and Social Science Occupations | 8,354 | 8,503 | 149 | 1.78% | 194 | 638 | 74 | 906 |
| **21-0000** | Community and Social Service Occupations | 33,681 | 34,295 | 614 | 1.82% | 1,400 | 1,874 | 307 | 3,581 |
| **23-0000** | Legal Occupations | 7,607 | 7,914 | 307 | 4.04% | 258 | 332 | 154 | 744 |
| **25-0000** | Educational Instruction and Library Occupations | 84,206 | 86,193 | 1,987 | 2.36% | 3,698 | 3,796 | 994 | 8,488 |
| **27-0000** | Arts, Design, Entertainment, Sports, and Media Occupations | 15,996 | 16,503 | 507 | 3.17% | 676 | 1,014 | 254 | 1,944 |
| **29-0000** | Healthcare Practitioners and Technical Occupations | 87,010 | 89,116 | 2,106 | 2.42% | 2,698 | 2,573 | 1,053 | 6,324 |
| **31-0000** | Healthcare Support Occupations | 56,199 | 57,023 | 824 | 1.47% | 3,765 | 4,666 | 412 | 8,843 |
| **33-0000** | Protective Service Occupations | 26,725 | 26,469 | -256 | -0.96% | 1,246 | 1,589 | -128 | 2,707 |
| **35-0000** | Food Preparation and Serving Related Occupations | 105,351 | 109,799 | 4,448 | 4.22% | 9,280 | 10,850 | 2,224 | 22,354 |
| **37-0000** | Building and Grounds Cleaning and Maintenance Occupations | 44,858 | 45,264 | 406 | 0.91% | 2,824 | 3,267 | 203 | 6,294 |
| **39-0000** | Personal Care and Service Occupations | 27,077 | 27,882 | 805 | 2.97% | 1,942 | 2,806 | 402 | 5,150 |
| **41-0000** | Sales and Related Occupations | 136,496 | 140,732 | 4,236 | 3.10% | 8,166 | 10,428 | 2,118 | 20,712 |
| **43-0000** | Office and Administrative Support Occupations | 165,744 | 168,396 | 2,652 | 1.60% | 8,978 | 11,182 | 1,326 | 21,486 |
| **45-0000** | Farming, Fishing, and Forestry Occupations | 16,860 | 16,524 | -336 | -1.99% | 848 | 1,796 | -168 | 2,476 |
| **47-0000** | Construction and Extraction Occupations | 52,889 | 54,558 | 1,669 | 3.16% | 1,875 | 3,426 | 834 | 6,135 |
| **49-0000** | Installation, Maintenance, and Repair Occupations | 61,604 | 63,518 | 1,914 | 3.11% | 2,278 | 3,733 | 957 | 6,968 |
| **51-0000** | Production Occupations | 115,441 | 117,569 | 2,128 | 1.84% | 5,074 | 8,442 | 1,064 | 14,580 |
| **53-0000** | Transportation and Material Moving Occupations | 149,288 | 153,805 | 4,517 | 3.03% | 7,768 | 12,505 | 2,258 | 22,531 |

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 39,058 jobs over the 2022-2024 projection period, an increase of 2.71 percent. With this, job opportunities for recent graduates and other job seekers are likely available. There is expected to be 189,369 total annual job openings during the projection period, with 71,868 openings available due to employees exiting the workforce. Another 97,972 are estimated to be available due to employees changing jobs, while 19,529 would be available due to growth and expansion in the economy. All but two occupational groups are estimated to see net job gains.

### Management Occupations

The **Management Occupations** major group is projected to gain 4,028 jobs, an increase of 2.94 percent of its workforce. During the projection period, 14,498 annual job openings are estimated to be available, with 5,599 due to employees leaving the workforce and 6,885 for those changing jobs. Another 2,014 is forecast to be available annually due to growth and expansion. Driving the gain is General and Operations Managers with a gain of 1,309 jobs, placing second in the Top 25 Growing Occupations list. Fundraising Managers are predicted to be the second fastest growing occupation, increasing by 28.68 percent. Farmers, Ranchers, and Other Agricultural Managers is expected to have 4,638 annual job openings, placing sixth in the state. With 3,049 of those being annual exits, the occupation is the second most likely occupation for employees exiting the workforce.

### Business and Financial Operations Occupations

The **Business and Financial Operations Occupations** major group is estimated to gain 4,713 jobs during the projection period, a 6.28 percent gain, becoming the top and fastest growing major group. Of the 9,149 annual job openings, 2,396 could come from employees exiting the workforce, while 4,397 would come from changing jobs. Another 2,356 job openings would be related to growth and expansion. *Business Operations Specialists* is slated to add 3,662 jobs. Within this group, Fundraisers is predicted to be the fastest growing occupation in the state, raising employment by 31.36 percent. Claims

Adjusters, Examiners, and Investigators is predicted to add 878 new jobs to the workforce, placing the occupation ninth on the Top 25 Growing Occupations list. The occupation could be the seventh fastest growing occupation, at a rate of 11.34 percent. Insurance Underwriters is forecast to increase by 13.23 percent, third fastest in the state.

### Computer and Mathematical Occupations

The **Computer and Mathematical Occupations** major group is expected to gain 1,242 jobs, an increase of 5.16 percent. With 2,369 annual job openings, 554 are set to come from employees leaving the workforce, 1,194 from those changing jobs, and 621 from growth and expansion. Much of the gain is projected to occur in the *Computer Occupations* occupational family, adding 1,137 jobs. The top growing occupation in the major group is Software Developers with 322 new jobs. *Mathematical Science Occupations* is estimated to add an additional 105 jobs to its workforce. Data Scientists is among the ten fastest growing occupations in the state, gaining 10.18 percent.

### Architecture and Engineering Occupations

The **Architecture and Engineering Occupations** major group is predicted to add 398 new jobs between first quarter 2022 and first quarter 2024. The major group is estimated to have 1,129 annual job openings, of which 352 would be from those exiting the workforce and 578 from those transferring to other occupational groups. Another 199 jobs are related to growth and expansion. *Engineers* is projected to add 267 jobs to its workforce, more than two-thirds of the overall

growth. Leading the major group is Civil Engineers, adding 62 jobs to its workforce, while Materials Engineers is slated to be the fastest growing occupation, gaining 9.52 percent.

### Life, Physical, and Social Science Occupations

The **Life, Physical, and Social Science Occupations** could see an increase of 149 jobs during the projection period. Of 906 total annual openings, 194 are slated to come from employees leaving the workforce, while 638 would be associated with employees changing jobs. Another 74 jobs are due to growth and expansion. The *Life, Physical, and Social Science Technicians* occupational family is predicted to see a gain of 60 jobs, while *Social Scientists and Related Workers* is projected to add 43 new jobs to its workforce. The biggest gain in this major group is Chemical Technicians, estimated to add 25 jobs. Social Science Research Assistants is predicted to be the fastest growing occupation in the major group, growing by a rate of 7.74 percent. On the negative side of the labor market, Foresters could see a loss of 13 jobs.

### Community and Social Service Occupations

The **Community and Social Service Occupations** major group is projected to increase by 614 employees during the projection period, an increase of 1.82 percent. The occupational group is estimated to have 3,581 annual job openings, with 1,400 coming from employees leaving the workforce, 1,874 coming from employees changing jobs, and 307 related to growth and expansion. The entire growth is expected to occur in the *Counselors, Social Workers, and Other Community and Social Service Specialists* occupational family.

Leading the major group is Social and Human Service Assistants, gaining 357 jobs. The *Religious Workers* occupational family is predicted to experience stability in its job market, with minimal change during the projection period.

### Legal Occupations

The **Legal Occupations** major group is forecast to increase staffing by 307 jobs between first quarter 2022 and first quarter 2024. Of the 744 total annual openings, 258 could come from staff leaving the workforce, while 332 would be related to job transfers. Growth and expansion would account for 154 annual job openings. *Lawyers, Judges, and Related Workers* is slated to add 110 jobs during the projection period, with Lawyers estimated to gain 114 new jobs.

*Legal Support Workers* is slated to add 197 jobs to its workforce. Paralegals leads this occupational family with 160 new jobs, a 5.57 percent gain.

### Educational Instruction and Library Occupations

The **Educational Instruction and Library Occupations** major group is forecast to gain 1,987 jobs during the 2022-2024 projection cycle. Out of 8,488 annual job openings, 3,698 could come from employees leaving their jobs, while 3,796 could be created from employees changing jobs. Another 994 would be for growth and expansion. *Preschool, Primary, Secondary, and Special Education School Teachers* could see a growth of 928 jobs. Secondary School Teachers, Except Special and Career/Technical Education and Elementary School Teachers, Except Special Education are estimated to see gains of 253 and 252 jobs, respectively. Health Specialties Teachers, Postsecondary is projected to be the fastest growing occupation in the major group, increasing by 6.07 percent.

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

The **Arts, Design, Entertainment, Sports, and Media Occupations** major group is estimated to gain 507 jobs during the projection period. Of the 1,944 annual job openings, 676 would come from employees leaving the workforce and 1,014 is connected to those who change jobs. Growth and expansion in the job market could account for 254 openings annually. *Media and Communication Workers* is projected

to add 129 jobs. Leading the major group in growth is Public Relations Specialists, which is anticipated to add 148 jobs to its workforce, an increase of 7.80 percent. *Entertainers and Performers, Sports and Related Workers* is estimated to gain 118 jobs. On the negative side of the labor market, Editors is slated to lose 29 jobs, while News Analysts, Reporters, and Journalists is predicted to cut

8.45 percent from its ranks, becoming the third fastest declining occupation.

### Healthcare Practitioners and Technical Occupations

The **Healthcare Practitioners and Technical Occupations** major group is projected to see a net gain of 2,106 jobs. During the projection period, 6,324 annual job openings are anticipated with 2,698 coming from employees leaving the workforce, 2,573 coming from job transfers, and 1,053 from growth and expansion. The *Health Diagnosing and Treating Practitioners* occupational family is estimated to add 1,273 new jobs. Driving this growth is Registered Nurses, slated to add 386 new jobs, placing in the Top 25 Growing Occupations list. Nurse Practitioners is predicted to be among the ten fastest growing occupations, raising employment by 10.46 percent.

*Health Technologists and Technicians* are expected to add 474 new jobs to its workforce.

### Healthcare Support Occupations

The **Healthcare Support Occupations** major group could see a rise of 824 new jobs during the 2022-2024 projection cycle. With 8,843 annual job openings, 3,765 are estimated to come from employees who leave the workforce, while 4,666 from employees changing jobs.

Another 412 job openings are related to growth and expansion. The *Other Healthcare Support Occupations* occupational family is predicted to add 662 jobs. Driving this growth is Medical Assistants, which is forecast to add 174 new jobs to its workforce. Occupational Therapy Assistants made the Top 25 Fastest Growing Occupations list with an anticipated gain of 8.30 percent. On the negative side of the

economy, Nursing Assistants is projected to lose 125 jobs, placing fourth in numeric decline.

### Protective Service Occupations

The **Protective Service Occupations** major group is expected to be one of two major groups to experience a loss of jobs, losing 256 jobs between 2022 and 2024. The occupational group is estimated to have 2,707 annual job openings during the projection period. Of these, 1,246 would come from employees leaving the workforce, while 1,589 from employees changing jobs. Around 128 would be lost due to the decline in employment. *Law Enforcement Workers* is likely to take the brunt of the loss, losing an estimated 309 jobs. Correctional Officers and Jailers is slated to be third on the Top 25 Declining Occupations list. One positive outcome in this major group is *Other Protective Service* Workers, which is anticipated to add 118 jobs to its workforce.

### Food Preparation and Serving Related Occupations

**Food Preparation and Serving Related Occupations** is projected to experience a gain of 4,448 jobs between first quarter 2022 and first quarter 2024. The occupational group is forecast to have 22,354 annual job openings, of which 9,280 are estimated to be available due to employees leaving the workforce, 10,850 from employees changing jobs, and 2,224 from growth and expansion *Food and Beverage Serving Workers* leads this major group with 2,250 new jobs. Fast Food and Counter Workers is forecast to be the top growing occupation in the state, gaining 1,421 new jobs, while Cooks, Restaurant is also slated to be among the ten highest growing occupations, adding 981 new jobs.

### Building and Grounds Cleaning and Maintenance Occupations

The **Building and Grounds Cleaning and Maintenance Occupations** major group is estimated to experience a net gain of 406

jobs during the projection period. With 6,294 annual job openings, 2,824 would be associated with employees leaving the workforce, while 3,267 would be connected to those changing jobs. Growth and expansion would account for 203 annual job openings. The *Grounds Maintenance Workers* occupational family is forecast to grow by 212. Driving this gain is Landscaping and Groundskeeping Workers, adding 196 jobs. Janitors and Cleaners, Except Maids and Housekeeping Cleaners is slated to add 309 jobs to its workforce.

### Personal Care and Service Occupations

The **Personal Care and Service Occupations** major group is estimated to increase staffing by 805 jobs during the projection period. Of the 5,150 annual job openings, 1,942 are forecast to come from employees leaving the workforce, 2,806 from employees changing jobs, and 402 due to growth and expansion. Animal Care and Service Workers is estimated to add 291 new jobs to its workforce. Leading the major group is Animal Caretakers, which is slated to raise employment by 267. Ushers, Lobby Attendants, and Ticket Takers are projected to be the fastest growing occupation in the major group, raising employment by 8.46 percent. On the negative side of the economy, Childcare Workers is forecast to lose 62 jobs, or 0.60 percent of its workforce.

### Sales and Related Occupations

The **Sales and Related Occupations** major group is projected to experience a gain of 4,236 jobs between first quarter 2022 and first quarter 2024, a 3.10 percent gain. Of the 20,712 jobs expected annually, 8,166 could come from employees leaving the workforce, 10,428 from those changing jobs, and 2,118 connected to growth and expansion. The *Retail Sales Workers* occupational family is slated to add 1,861 new jobs, while the *Sales Representatives, Services* family is predicted to raise employment by 1,213. Retail Salespersons and Insurance Sales Agents is projected to be the third and fourth highest growing occupations, growing by 1,093 and 1,071 jobs respectively. Insurance Sales Agents also is among the ten fastest growing, at a rate

of 11.55 percent. Advertising Sales Agents and Telemarketers are slated to lose 38 jobs each.

### Office and Administrative Support Occupations

The **Office and Administrative Support Occupations** major group is predicted to gain 2,652 jobs during the projection period. The occupational group is estimated to have 21,486 annual job openings. Of these, 8,978 are connected to employees leaving the workforce, while 11,182 are associated with those changing jobs. Another 1,326 annual job openings would be for growth and expansion. The *Other Office and Administrative Support Workers* occupational family is predicted to add 1,271 jobs, while *Information and Record Clerks* is forecast to add 683 new jobs. Insurance Claims and Policy Processing Clerks is predicted to increase employment by 897, or a 11.72 percent gain, placing eighth in the Top 25 Growing Occupations list and fifth on the Top 25 Fastest Growing Occupations list. On the negative side of the labor market, Secretaries and Administrative Assistants, Except Legal, Medical, and Executive is predicted to experience a decline of 114 jobs, fifth worst in the state. Word Processors and Typists is estimated to be the fourth fastest declining occupation, losing 8.33 percent of its workforce.

### Farming, Fishing, and Forestry Occupations

The **Farming, Fishing, and Forestry Occupations** major group is forecast to lose 336 jobs, declining by 1.99 percent. Overall, 2,476 annual job openings are expected, with 848 connected to employees leaving the workforce and 1,796 from employees changing jobs.

Around 168 annual openings could be lost by the decline in employment. *Agricultural Workers* are likely to experience most of the decline, cutting 318 jobs from its workforce. Farmworkers, Farm, Ranch, and Aquacultural Animals is slated to be the top declining occupation in the state, losing 211 jobs, while Farmworkers and Laborers, Crop, Nursery, and Greenhouse is estimated to cut 102 from its workforce, sixth worst.

### Construction and Extraction Occupations

The **Construction and Extraction Occupations** major group is projected to add 1,669 jobs to its workforce. Of the 6,135 annual job openings, 1,875 would be from employees leaving the workforce, 3,426 would be associated with employees changing jobs, and 834 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 1,456 jobs. Electricians are slated to add 530 jobs to its ranks. On the negative side of the labor force, Rail-Track Laying and Maintenance Equipment Operators could see a decline of 6.33 percent, placing among the ten fastest declining occupations statewide.

### Installation, Maintenance, and Repair Occupations

The **Installation, Maintenance, and Repair Occupations** major group is estimated to increase staffing by 1,914 new jobs. During the projection period, 6,968 annual job openings are expected to be available. Of these, 2,278 would be connected to employees leaving the workforce, 3,733 from those changing jobs, and 957 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 1,349 jobs. Industrial Machinery Mechanics leads all occupations with 417 new jobs, while Maintenance and Repair Workers, General is slated to increase by 343. On the negative side of the labor market, Rail Car Repairers is predicted to lose 13 jobs, 2.40 percent of its workforce.

### Production Occupations

The **Production Occupations** major group is projected to gain 2,128 jobs between first quarter 2022 and first quarter 2024, a 1.84 percent gain. Around 14,580 job openings are anticipated annually. Of these, 5,074 could come from employees leaving the workforce, 8,442 would be connected to employees changing jobs, and 1,064 related to growth and expansion. The *Metal Workers and Plastic Workers* is slated to

add 671 jobs during the projection period, while *Other Production Occupations* is forecast to increase by 578 jobs. Etchers and Engravers is predicted to be the fourth fastest growing occupation in the state, raising employment by 12.86 percent. First-Line Supervisors of Production and Operating Workers is slated to be the top growing occupation in the major group, adding 293 new jobs to its workforce. On the negative side of the labor market, the *Textile, Apparel, and Furnishings Workers* occupational family is predicted to lose 74 jobs, or 2.04 percent of its workforce. Paper Goods Machine Setters, Operators, and Tenders is projected to lead the major group in decline, losing 98 jobs, 3.68 percent of its workforce, while Cutters and Trimmers, Hand could cut 9.88 percent from its own workforce. In all, eight occupations in the major group make the Top 25 Fastest Declining Occupations list, half among the ten fastest.

### Transportation and Material Moving Occupations

The **Transportation and Material Moving Occupations** major group is projected to be the second highest growing major group, adding 4,517 new jobs, or 3.03 percent to its workforce. The major group is estimated to experience the highest number of annual openings, with 22,531. Of these, 7,768 is associated with people leaving the workforce, 12,505 connected to job change, and 2,258 related to growth and expansion. The *Material Moving Workers* occupational family is predicted to add an additional 2,556 new jobs to its workforce. Laborers and Freight, Stock, and Material Movers, Hand is projected to add 1,011, placing fifth on the Top 25 Growing Occupations list, while Heavy and Tractor-Trailer Truck Drivers is anticipated to add 926 jobs, also placing among the ten highest growing occupations. Overall, the *Motor Vehicle Operators* occupational family is anticipated to add an additional 1,829 jobs to its ranks. On the negative side of the economy, Sailors and Marine Oilers could lose 15.79 percent of its already small workforce in the state, becoming the fastest declining occupation statewide.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **SOC**  **Code** | **SOC Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **35-3023** | Fast Food and Counter Workers | 36,015 | 37,436 | **1,421** | 3.95% | 3,982 | 3,957 | 710 | 8,649 |
| **11-1021** | General and Operations Managers | 29,660 | 30,969 | **1,309** | 4.41% | 696 | 1,931 | 654 | 3,281 |
| **41-2031** | Retail Salespersons | 34,308 | 35,401 | **1,093** | 3.19% | 2,240 | 2,824 | 546 | 5,610 |
| **41-3021** | Insurance Sales Agents | 9,272 | 10,343 | **1,071** | 11.55% | 390 | 508 | 536 | 1,434 |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 29,103 | 30,114 | **1,011** | 3.47% | 1,435 | 2,714 | 506 | 4,655 |
| **35-2014** | Cooks, Restaurant | 11,013 | 11,994 | **981** | 8.91% | 794 | 972 | 490 | 2,256 |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 37,527 | 38,453 | **926** | 2.47% | 1,766 | 2,688 | 463 | 4,917 |
| **43-9041** | Insurance Claims and Policy Processing Clerks | 7,655 | 8,552 | **897** | 11.72% | 333 | 501 | 448 | 1,282 |
| **13-1031** | Claims Adjusters, Examiners, and Investigators | 7,744 | 8,622 | **878** | 11.34% | 224 | 424 | 439 | 1,087 |
| **53-7065** | Stockers and Order Fillers | 21,735 | 22,589 | **854** | 3.93% | 1,420 | 2,355 | 427 | 4,202 |
| **35-3031** | Waiters and Waitresses | 16,590 | 17,235 | **645** | 3.89% | 1,431 | 1,998 | 322 | 3,751 |
| **13-1131** | Fundraisers | 1,929 | 2,534 | **605** | 31.36% | 80 | 124 | 302 | 506 |
| **47-2111** | Electricians | 7,253 | 7,783 | **530** | 7.31% | 256 | 508 | 265 | 1,029 |
| **41-2011** | Cashiers | 30,515 | 31,033 | **518** | 1.70% | 2,956 | 2,848 | 259 | 6,063 |
| **13-2011** | Accountants and Auditors | 8,988 | 9,492 | **504** | 5.61% | 282 | 514 | 252 | 1,048 |
| **11-3031** | Financial Managers | 6,625 | 7,125 | **500** | 7.55% | 168 | 344 | 250 | 762 |
| **41-4012** | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 13,332 | 13,814 | **482** | 3.62% | 466 | 898 | 241 | 1,605 |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 10,730 | 11,187 | **457** | 4.26% | 553 | 1,158 | 228 | 1,939 |
| **43-9061** | Office Clerks, General | 26,865 | 27,306 | **441** | 1.64% | 1,708 | 1,704 | 220 | 3,632 |
| **53-3033** | Light Truck Drivers | 10,170 | 10,602 | **432** | 4.25% | 482 | 734 | 216 | 1,432 |
| **49-9041** | Industrial Machinery Mechanics | 7,117 | 7,534 | **417** | 5.86% | 260 | 378 | 208 | 846 |
| **53-7051** | Industrial Truck and Tractor Operators | 11,246 | 11,645 | **399** | 3.55% | 383 | 912 | 200 | 1,495 |
| **29-1141** | Registered Nurses | 26,595 | 26,981 | **386** | 1.45% | 859 | 665 | 193 | 1,717 |
| **13-1161** | Market Research Analysts and Marketing Specialists | 4,938 | 5,318 | **380** | 7.70% | 148 | 352 | 190 | 690 |
| **13-1111** | Management Analysts | 6,986 | 7,359 | **373** | 5.34% | 258 | 392 | 186 | 836 |

**Top 25 Fastest Growing Occupations by Percent Change (Minimum Employment of 50)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **SOC**  **Code** | **SOC Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **13-1131** | Fundraisers | 1,929 | 2,534 | 605 | **31.36%** | 80 | 124 | 302 | 506 |
| **11-2033** | Fundraising Managers | 129 | 166 | 37 | **28.68%** | 4 | 8 | 18 | 30 |
| **13-2053** | Insurance Underwriters | 1,534 | 1,737 | 203 | **13.23%** | 44 | 78 | 102 | 224 |
| **51-9194** | Etchers and Engravers | 70 | 79 | 9 | **12.86%** | 4 | 4 | 4 | 12 |
| **43-9041** | Insurance Claims and Policy Processing Clerks | 7,655 | 8,552 | 897 | **11.72%** | 333 | 501 | 448 | 1,282 |
| **41-3021** | Insurance Sales Agents | 9,272 | 10,343 | 1,071 | **11.55%** | 390 | 508 | 536 | 1,434 |
| **13-1031** | Claims Adjusters, Examiners, and Investigators | 7,744 | 8,622 | 878 | **11.34%** | 224 | 424 | 439 | 1,087 |
| **29-1171** | Nurse Practitioners | 2,649 | 2,926 | 277 | **10.46%** | 64 | 80 | 138 | 282 |
| **15-2051** | Data Scientists | 275 | 303 | 28 | **10.18%** | 7 | 14 | 14 | 35 |
| **13-1081** | Logisticians | 1,375 | 1,514 | 139 | **10.11%** | 39 | 87 | 70 | 196 |
| **15-1254** | Web Developers | 285 | 313 | 28 | **9.82%** | 6 | 16 | 14 | 36 |
| **17-2131** | Materials Engineers | 105 | 115 | 10 | **9.52%** | 3 | 4 | 5 | 12 |
| **15-1212** | Information Security Analysts | 1,007 | 1,101 | 94 | **9.33%** | 24 | 52 | 47 | 123 |
| **35-2014** | Cooks, Restaurant | 11,013 | 11,994 | 981 | **8.91%** | 794 | 972 | 490 | 2,256 |
| **13-1121** | Meeting, Convention, and Event Planners | 723 | 787 | 64 | **8.85%** | 28 | 50 | 32 | 110 |
| **15-2041** | Statisticians | 531 | 578 | 47 | **8.85%** | 14 | 26 | 24 | 64 |
| **21-1093** | Social and Human Service Assistants | 4,061 | 4,418 | 357 | **8.79%** | 198 | 282 | 178 | 658 |
| **47-4071** | Septic Tank Servicers and Sewer Pipe Cleaners | 59 | 64 | 5 | **8.47%** | 2 | 4 | 2 | 8 |
| **39-3031** | Ushers, Lobby Attendants, and Ticket Takers | 473 | 513 | 40 | **8.46%** | 70 | 69 | 20 | 159 |
| **31-2011** | Occupational Therapy Assistants | 458 | 496 | 38 | **8.30%** | 26 | 48 | 19 | 93 |
| **27-3031** | Public Relations Specialists | 1,898 | 2,046 | 148 | **7.80%** | 49 | 123 | 74 | 246 |
| **39-2021** | Animal Caretakers | 3,446 | 3,713 | 267 | **7.75%** | 248 | 412 | 134 | 794 |
| **19-4061** | Social Science Research Assistants | 168 | 181 | 13 | **7.74%** | 4 | 17 | 6 | 27 |
| **13-1161** | Market Research Analysts and Marketing Specialists | 4,938 | 5,318 | 380 | **7.70%** | 148 | 352 | 190 | 690 |
| **39-5092** | Manicurists and Pedicurists | 221 | 238 | 17 | **7.69%** | 12 | 16 | 8 | 36 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **SOC**  **Code** | **SOC Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **35-3023** | Fast Food and Counter Workers | 36,015 | 37,436 | 1,421 | 3.95% | **3,982** | 3,957 | 710 | 8,649 |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 43,648 | 43,730 | 82 | 0.19% | **3,049** | 1,548 | 41 | 4,638 |
| **41-2011** | Cashiers | 30,515 | 31,033 | 518 | 1.70% | **2,956** | 2,848 | 259 | 6,063 |
| **41-2031** | Retail Salespersons | 34,308 | 35,401 | 1,093 | 3.19% | **2,240** | 2,824 | 546 | 5,610 |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 37,527 | 38,453 | 926 | 2.47% | **1,766** | 2,688 | 463 | 4,917 |
| **43-9061** | Office Clerks, General | 26,865 | 27,306 | 441 | 1.64% | **1,708** | 1,704 | 220 | 3,632 |
| **31-1120** | Home Health and Personal Care Aides | 19,213 | 19,301 | 88 | 0.46% | **1,561** | 1,348 | 44 | 2,953 |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 29,103 | 30,114 | 1,011 | 3.47% | **1,435** | 2,714 | 506 | 4,655 |
| **35-3031** | Waiters and Waitresses | 16,590 | 17,235 | 645 | 3.89% | **1,431** | 1,998 | 322 | 3,751 |
| **53-7065** | Stockers and Order Fillers | 21,735 | 22,589 | 854 | 3.93% | **1,420** | 2,355 | 427 | 4,202 |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 17,123 | 17,432 | 309 | 1.80% | **1,200** | 1,212 | 154 | 2,566 |
| **31-1131** | Nursing Assistants | 17,342 | 17,217 | -125 | -0.72% | **1,131** | 1,462 | -62 | 2,531 |
| **43-4051** | Customer Service Representatives | 20,072 | 20,407 | 335 | 1.67% | **1,116** | 1,728 | 168 | 3,012 |
| **43-3031** | Bookkeeping, Accounting, and Auditing Clerks | 12,840 | 13,033 | 193 | 1.50% | **866** | 725 | 96 | 1,687 |
| **43-4171** | Receptionists and Information Clerks | 13,819 | 14,079 | 260 | 1.88% | **866** | 1,038 | 130 | 2,034 |
| **29-1141** | Registered Nurses | 26,595 | 26,981 | 386 | 1.45% | **859** | 665 | 193 | 1,717 |
| **35-2014** | Cooks, Restaurant | 11,013 | 11,994 | 981 | 8.91% | **794** | 972 | 490 | 2,256 |
| **37-2012** | Maids and Housekeeping Cleaners | 10,474 | 10,275 | -199 | -1.90% | **781** | 675 | -100 | 1,356 |
| **43-6014** | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 13,076 | 12,962 | -114 | -0.87% | **756** | 776 | -57 | 1,475 |
| **39-9011** | Childcare Workers | 10,250 | 10,188 | -62 | -0.60% | **748** | 961 | -31 | 1,678 |
| **41-1011** | First-Line Supervisors of Retail Sales Workers | 17,857 | 18,201 | 344 | 1.93% | **746** | 1,232 | 172 | 2,150 |
| **11-1021** | General and Operations Managers | 29,660 | 30,969 | 1,309 | 4.41% | **696** | 1,931 | 654 | 3,281 |
| **43-1011** | First-Line Supervisors of Office and Administrative Support Workers | 15,162 | 15,390 | 228 | 1.50% | **666** | 980 | 114 | 1,760 |
| **51-2090** | Miscellaneous Assemblers and Fabricators | 15,092 | 15,273 | 181 | 1.20% | **664** | 1,090 | 90 | 1,844 |
| **25-9045** | Teaching Assistants, Except Postsecondary | 10,962 | 11,179 | 217 | 1.98% | **660** | 630 | 108 | 1,398 |

**Top 25 Occupations by Annual Transfers**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **SOC**  **Code** | **SOC Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **35-3023** | Fast Food and Counter Workers | 36,015 | 37,436 | 1,421 | 3.95% | 3,982 | **3,957** | 710 | 8,649 |
| **41-2011** | Cashiers | 30,515 | 31,033 | 518 | 1.70% | 2,956 | **2,848** | 259 | 6,063 |
| **41-2031** | Retail Salespersons | 34,308 | 35,401 | 1,093 | 3.19% | 2,240 | **2,824** | 546 | 5,610 |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 29,103 | 30,114 | 1,011 | 3.47% | 1,435 | **2,714** | 506 | 4,655 |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 37,527 | 38,453 | 926 | 2.47% | 1,766 | **2,688** | 463 | 4,917 |
| **53-7065** | Stockers and Order Fillers | 21,735 | 22,589 | 854 | 3.93% | 1,420 | **2,355** | 427 | 4,202 |
| **35-3031** | Waiters and Waitresses | 16,590 | 17,235 | 645 | 3.89% | 1,431 | **1,998** | 322 | 3,751 |
| **11-1021** | General and Operations Managers | 29,660 | 30,969 | 1,309 | 4.41% | 696 | **1,931** | 654 | 3,281 |
| **43-4051** | Customer Service Representatives | 20,072 | 20,407 | 335 | 1.67% | 1,116 | **1,728** | 168 | 3,012 |
| **43-9061** | Office Clerks, General | 26,865 | 27,306 | 441 | 1.64% | 1,708 | **1,704** | 220 | 3,632 |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 43,648 | 43,730 | 82 | 0.19% | 3,049 | **1,548** | 41 | 4,638 |
| **31-1131** | Nursing Assistants | 17,342 | 17,217 | -125 | -0.72% | 1,131 | **1,462** | -62 | 2,531 |
| **31-1120** | Home Health and Personal Care Aides | 19,213 | 19,301 | 88 | 0.46% | 1,561 | **1,348** | 44 | 2,953 |
| **41-1011** | First-Line Supervisors of Retail Sales Workers | 17,857 | 18,201 | 344 | 1.93% | 746 | **1,232** | 172 | 2,150 |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 17,123 | 17,432 | 309 | 1.80% | 1,200 | **1,212** | 154 | 2,566 |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 10,730 | 11,187 | 457 | 4.26% | 553 | **1,158** | 228 | 1,939 |
| **51-2090** | Miscellaneous Assemblers and Fabricators | 15,092 | 15,273 | 181 | 1.20% | 664 | **1,090** | 90 | 1,844 |
| **43-4171** | Receptionists and Information Clerks | 13,819 | 14,079 | 260 | 1.88% | 866 | **1,038** | 130 | 2,034 |
| **43-1011** | First-Line Supervisors of Office and Administrative Support Workers | 15,162 | 15,390 | 228 | 1.50% | 666 | **980** | 114 | 1,760 |
| **35-2014** | Cooks, Restaurant | 11,013 | 11,994 | 981 | 8.91% | 794 | **972** | 490 | 2,256 |
| **39-9011** | Childcare Workers | 10,250 | 10,188 | -62 | -0.60% | 748 | **961** | -31 | 1,678 |
| **53-7051** | Industrial Truck and Tractor Operators | 11,246 | 11,645 | 399 | 3.55% | 383 | **912** | 200 | 1,495 |
| **41-4012** | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 13,332 | 13,814 | 482 | 3.62% | 466 | **898** | 241 | 1,605 |
| **21-2011** | Clergy | 15,413 | 15,412 | -1 | -0.01% | 647 | **788** | 0 | 1,435 |
| **43-6014** | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 13,076 | 12,962 | -114 | -0.87% | 756 | **776** | -57 | 1,475 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **SOC**  **Code** | **SOC Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **35-3023** | Fast Food and Counter Workers | 36,015 | 37,436 | 1,421 | 3.95% | 3,982 | 3,957 | 710 | **8,649** |
| **41-2011** | Cashiers | 30,515 | 31,033 | 518 | 1.70% | 2,956 | 2,848 | 259 | **6,063** |
| **41-2031** | Retail Salespersons | 34,308 | 35,401 | 1,093 | 3.19% | 2,240 | 2,824 | 546 | **5,610** |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 37,527 | 38,453 | 926 | 2.47% | 1,766 | 2,688 | 463 | **4,917** |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 29,103 | 30,114 | 1,011 | 3.47% | 1,435 | 2,714 | 506 | **4,655** |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 43,648 | 43,730 | 82 | 0.19% | 3,049 | 1,548 | 41 | **4,638** |
| **53-7065** | Stockers and Order Fillers | 21,735 | 22,589 | 854 | 3.93% | 1,420 | 2,355 | 427 | **4,202** |
| **35-3031** | Waiters and Waitresses | 16,590 | 17,235 | 645 | 3.89% | 1,431 | 1,998 | 322 | **3,751** |
| **43-9061** | Office Clerks, General | 26,865 | 27,306 | 441 | 1.64% | 1,708 | 1,704 | 220 | **3,632** |
| **11-1021** | General and Operations Managers | 29,660 | 30,969 | 1,309 | 4.41% | 696 | 1,931 | 654 | **3,281** |
| **43-4051** | Customer Service Representatives | 20,072 | 20,407 | 335 | 1.67% | 1,116 | 1,728 | 168 | **3,012** |
| **31-1120** | Home Health and Personal Care Aides | 19,213 | 19,301 | 88 | 0.46% | 1,561 | 1,348 | 44 | **2,953** |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 17,123 | 17,432 | 309 | 1.80% | 1,200 | 1,212 | 154 | **2,566** |
| **31-1131** | Nursing Assistants | 17,342 | 17,217 | -125 | -0.72% | 1,131 | 1,462 | -62 | **2,531** |
| **35-2014** | Cooks, Restaurant | 11,013 | 11,994 | 981 | 8.91% | 794 | 972 | 490 | **2,256** |
| **41-1011** | First-Line Supervisors of Retail Sales Workers | 17,857 | 18,201 | 344 | 1.93% | 746 | 1,232 | 172 | **2,150** |
| **43-4171** | Receptionists and Information Clerks | 13,819 | 14,079 | 260 | 1.88% | 866 | 1,038 | 130 | **2,034** |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 10,730 | 11,187 | 457 | 4.26% | 553 | 1,158 | 228 | **1,939** |
| **51-2090** | Miscellaneous Assemblers and Fabricators | 15,092 | 15,273 | 181 | 1.20% | 664 | 1,090 | 90 | **1,844** |
| **43-1011** | First-Line Supervisors of Office and Administrative Support Workers | 15,162 | 15,390 | 228 | 1.50% | 666 | 980 | 114 | **1,760** |
| **29-1141** | Registered Nurses | 26,595 | 26,981 | 386 | 1.45% | 859 | 665 | 193 | **1,717** |
| **43-3031** | Bookkeeping, Accounting, and Auditing Clerks | 12,840 | 13,033 | 193 | 1.50% | 866 | 725 | 96 | **1,687** |
| **39-9011** | Childcare Workers | 10,250 | 10,188 | -62 | -0.60% | 748 | 961 | -31 | **1,678** |
| **41-4012** | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 13,332 | 13,814 | 482 | 3.62% | 466 | 898 | 241 | **1,605** |
| **53-7051** | Industrial Truck and Tractor Operators | 11,246 | 11,645 | 399 | 3.55% | 383 | 912 | 200 | **1,495** |

**Top 25 Declining Occupations by Numeric Change**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **SOC**  **Code** | **SOC Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **45-2093** | Farmworkers, Farm, Ranch, and Aquacultural Animals | 4,785 | 4,574 | **-211** | -4.41% | 244 | 506 | -106 | 644 |
| **37-2012** | Maids and Housekeeping Cleaners | 10,474 | 10,275 | **-199** | -1.90% | 781 | 675 | -100 | 1,356 |
| **33-3012** | Correctional Officers and Jailers | 6,122 | 5,925 | **-197** | -3.22% | 214 | 345 | -98 | 461 |
| **31-1131** | Nursing Assistants | 17,342 | 17,217 | **-125** | -0.72% | 1,131 | 1,462 | -62 | 2,531 |
| **43-6014** | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 13,076 | 12,962 | **-114** | -0.87% | 756 | 776 | -57 | 1,475 |
| **45-2092** | Farmworkers and Laborers, Crop, Nursery, and Greenhouse | 6,006 | 5,904 | **-102** | -1.70% | 310 | 644 | -51 | 903 |
| **51-9196** | Paper Goods Machine Setters, Operators, and Tenders | 2,661 | 2,563 | **-98** | -3.68% | 138 | 182 | -49 | 271 |
| **33-3051** | Police and Sheriff's Patrol Officers | 5,631 | 5,534 | **-97** | -1.72% | 167 | 286 | -48 | 405 |
| **39-9011** | Childcare Workers | 10,250 | 10,188 | **-62** | -0.60% | 748 | 961 | -31 | 1,678 |
| **51-8031** | Water and Wastewater Treatment Plant and System Operators | 2,003 | 1,960 | **-43** | -2.15% | 73 | 118 | -22 | 169 |
| **41-3011** | Advertising Sales Agents | 884 | 846 | **-38** | -4.30% | 32 | 72 | -19 | 85 |
| **41-9041** | Telemarketers | 736 | 698 | **-38** | -5.16% | 38 | 68 | -19 | 87 |
| **43-4111** | Interviewers, Except Eligibility and Loan | 2,637 | 2,599 | **-38** | -1.44% | 147 | 196 | -19 | 324 |
| **43-9021** | Data Entry Keyers | 1,243 | 1,208 | **-35** | -2.82% | 65 | 87 | -18 | 134 |
| **33-1012** | First-Line Supervisors of Police and Detectives | 1,765 | 1,733 | **-32** | -1.81% | 42 | 74 | -16 | 100 |
| **43-4031** | Court, Municipal, and License Clerks | 1,743 | 1,711 | **-32** | -1.84% | 96 | 100 | -16 | 180 |
| **51-6011** | Laundry and Dry-Cleaning Workers | 1,587 | 1,557 | **-30** | -1.89% | 120 | 103 | -15 | 208 |
| **27-3041** | Editors | 493 | 464 | **-29** | -5.88% | 20 | 28 | -14 | 34 |
| **11-1031** | Legislators | 1,341 | 1,317 | **-24** | -1.79% | 40 | 64 | -12 | 92 |
| **47-4061** | Rail-Track Laying and Maintenance Equipment Operators | 316 | 296 | **-20** | -6.33% | 6 | 16 | -10 | 12 |
| **27-3023** | News Analysts, Reporters, and Journalists | 213 | 195 | **-18** | -8.45% | 8 | 16 | -9 | 15 |
| **33-2011** | Firefighters | 1,816 | 1,798 | **-18** | -0.99% | 48 | 97 | -9 | 136 |
| **33-1011** | First-Line Supervisors of Correctional Officers | 687 | 670 | **-17** | -2.47% | 26 | 32 | -8 | 50 |
| **43-3011** | Bill and Account Collectors | 1,651 | 1,634 | **-17** | -1.03% | 76 | 114 | -8 | 182 |
| **45-4022** | Logging Equipment Operators | 1,406 | 1,389 | **-17** | -1.21% | 62 | 156 | -8 | 210 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **SOC**  **Code** | **SOC Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **53-5011** | Sailors and Marine Oilers | 38 | 32 | -6 | **-15.79%** | 1 | 3 | -3 | 1 |
| **51-9031** | Cutters and Trimmers, Hand | 81 | 73 | -8 | **-9.88%** | 4 | 6 | -4 | 6 |
| **27-3023** | News Analysts, Reporters, and Journalists | 213 | 195 | -18 | **-8.45%** | 8 | 16 | -9 | 15 |
| **43-9022** | Word Processors and Typists | 60 | 55 | -5 | **-8.33%** | 4 | 3 | -2 | 5 |
| **51-6062** | Textile Cutting Machine Setters, Operators, and Tenders | 100 | 93 | -7 | **-7.00%** | 6 | 7 | -4 | 9 |
| **47-4061** | Rail-Track Laying and Maintenance Equipment Operators | 316 | 296 | -20 | **-6.33%** | 6 | 16 | -10 | 12 |
| **51-6021** | Pressers, Textile, Garment, and Related Materials | 193 | 181 | -12 | **-6.22%** | 12 | 10 | -6 | 16 |
| **27-3041** | Editors | 493 | 464 | -29 | **-5.88%** | 20 | 28 | -14 | 34 |
| **51-8092** | Gas Plant Operators | 157 | 148 | -9 | **-5.73%** | 4 | 12 | -4 | 12 |
| **41-9041** | Telemarketers | 736 | 698 | -38 | **-5.16%** | 38 | 68 | -19 | 87 |
| **43-2011** | Switchboard Operators, Including Answering Service | 337 | 321 | -16 | **-4.75%** | 19 | 20 | -8 | 31 |
| **27-3011** | Broadcast Announcers and Radio Disc Jockeys | 190 | 181 | -9 | **-4.74%** | 7 | 12 | -4 | 15 |
| **45-2093** | Farmworkers, Farm, Ranch, and Aquacultural Animals | 4,785 | 4,574 | -211 | **-4.41%** | 244 | 506 | -106 | 644 |
| **41-3011** | Advertising Sales Agents | 884 | 846 | -38 | **-4.30%** | 32 | 72 | -19 | 85 |
| **51-8013** | Power Plant Operators | 198 | 190 | -8 | **-4.04%** | 6 | 12 | -4 | 14 |
| **51-2021** | Coil Winders, Tapers, and Finishers | 390 | 375 | -15 | **-3.85%** | 18 | 25 | -8 | 35 |
| **51-5111** | Prepress Technicians and Workers | 158 | 152 | -6 | **-3.80%** | 8 | 12 | -3 | 17 |
| **51-9196** | Paper Goods Machine Setters, Operators, and Tenders | 2,661 | 2,563 | -98 | **-3.68%** | 138 | 182 | -49 | 271 |
| **19-1032** | Foresters | 387 | 374 | -13 | **-3.36%** | 8 | 25 | -6 | 27 |
| **33-3012** | Correctional Officers and Jailers | 6,122 | 5,925 | -197 | **-3.22%** | 214 | 345 | -98 | 461 |
| **45-4021** | Fallers | 157 | 152 | -5 | **-3.18%** | 7 | 17 | -2 | 22 |
| **43-9021** | Data Entry Keyers | 1,243 | 1,208 | -35 | **-2.82%** | 65 | 87 | -18 | 134 |
| **31-9094** | Medical Transcriptionists | 364 | 354 | -10 | **-2.75%** | 20 | 40 | -5 | 55 |
| **49-9031** | Home Appliance Repairers | 299 | 291 | -8 | **-2.68%** | 12 | 18 | -4 | 26 |
| **33-1011** | First-Line Supervisors of Correctional Officers | 687 | 670 | -17 | **-2.47%** | 26 | 32 | -8 | 50 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **00-0000** | **TOTAL, ALL OCCUPATIONS** | **1,443,563** | **1,482,621** | **39,058** | **2.71%** | **71,868** | **97,972** | **19,529** | **189,369** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **11-0000** | **Management Occupations** | **137,192** | **141,220** | **4,028** | **2.94%** | **5,599** | **6,885** | **2,014** | **14,498** |  |  |  |
| ***11-1000*** | ***Top Executives*** | ***35,058*** | ***36,422*** | ***1,364*** | ***3.89%*** | ***864*** | ***2,164*** | ***682*** | ***3,710*** |  |  |  |
| **11-1011** | Chief Executives | 4,057 | 4,136 | 79 | 1.95% | 127 | 170 | 40 | 337 | BD | 5+ | None |
| **11-1021** | General and Operations Managers | 29,660 | 30,969 | 1,309 | 4.41% | 696 | 1,931 | 654 | 3,281 | BD | 5+ | None |
| **11-1031** | Legislators | 1,341 | 1,317 | -24 | -1.79% | 40 | 64 | -12 | 92 | BD | <5 | None |
| ***11-2000*** | ***Advertising, Marketing, Promotions, Public Relations, and Sales Managers*** | ***4,266*** | ***4,473*** | ***207*** | ***4.85%*** | ***101*** | ***264*** | ***104*** | ***469*** |  |  |  |
| **11-2011** | Advertising and Promotions Managers | 134 | 137 | 3 | 2.24% | 2 | 10 | 2 | 14 | BD | <5 | None |
| **11-2021** | Marketing Managers | 1,143 | 1,206 | 63 | 5.51% | 26 | 75 | 32 | 133 | BD | 5+ | None |
| **11-2022** | Sales Managers | 2,528 | 2,616 | 88 | 3.48% | 59 | 152 | 44 | 255 | BD | <5 | None |
| **11-2032** | Public Relations Managers | 332 | 348 | 16 | 4.82% | 9 | 18 | 8 | 35 | BD | 5+ | None |
| **11-2033** | Fundraising Managers | 129 | 166 | 37 | 28.68% | 4 | 8 | 18 | 30 | BD | 5+ | None |
| ***11-3000*** | ***Operations Specialties Managers*** | ***16,760*** | ***17,706*** | ***946*** | ***5.64%*** | ***422*** | ***892*** | ***473*** | ***1,787*** |  |  |  |
| **11-3012** | Administrative Services Managers | 1,285 | 1,336 | 51 | 3.97% | 43 | 65 | 26 | 134 | BD | <5 | None |
| **11-3013** | Facilities Managers | 501 | 516 | 15 | 2.99% | 15 | 26 | 8 | 49 | BD | <5 | None |
| **11-3021** | Computer and Information Systems Managers | 2,519 | 2,675 | 156 | 6.19% | 48 | 142 | 78 | 268 | BD | 5+ | None |
| **11-3031** | Financial Managers | 6,625 | 7,125 | 500 | 7.55% | 168 | 344 | 250 | 762 | BD | 5+ | None |
| **11-3051** | Industrial Production Managers | 2,177 | 2,257 | 80 | 3.67% | 50 | 108 | 40 | 198 | BD | 5+ | None |
| **11-3061** | Purchasing Managers | 964 | 1,005 | 41 | 4.25% | 28 | 53 | 20 | 101 | BD | 5+ | None |
| **11-3071** | Transportation, Storage, and Distribution Managers | 1,165 | 1,204 | 39 | 3.35% | 28 | 69 | 20 | 117 | HS | 5+ | None |
| **11-3111** | Compensation and Benefits Managers | 141 | 147 | 6 | 4.26% | 4 | 8 | 3 | 15 | BD | 5+ | None |
| **11-3121** | Human Resources Managers | 1,167 | 1,217 | 50 | 4.28% | 34 | 64 | 25 | 123 | BD | 5+ | None |
| **11-3131** | Training and Development Managers | 216 | 224 | 8 | 3.70% | 5 | 14 | 4 | 23 | BD | 5+ | None |
| ***11-9000*** | ***Other Management Occupations*** | ***81,108*** | ***82,619*** | ***1,511*** | ***1.86%*** | ***4,212*** | ***3,564*** | ***756*** | ***8,532*** |  |  |  |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 43,648 | 43,730 | 82 | 0.19% | 3,049 | 1,548 | 41 | 4,638 | HS | 5+ | None |
| **11-9021** | Construction Managers | 3,294 | 3,414 | 120 | 3.64% | 78 | 178 | 60 | 316 | BD | None | MTOJT |
| **11-9031** | Education and Childcare Administrators, Preschool and Daycare | 643 | 658 | 15 | 2.33% | 18 | 30 | 8 | 56 | BD | <5 | None |
| **11-9032** | Education Administrators, Kindergarten through Secondary | 2,486 | 2,539 | 53 | 2.13% | 70 | 116 | 26 | 212 | MD | 5+ | None |
| **11-9033** | Education Administrators, Postsecondary | 1,269 | 1,306 | 37 | 2.92% | 36 | 60 | 18 | 114 | MD | <5 | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **11-9039** | Education Administrators, All Other | 646 | 663 | 17 | 2.63% | 18 | 30 | 8 | 56 | BD | <5 | None |
| **11-9041** | Architectural and Engineering Managers | 669 | 693 | 24 | 3.59% | 14 | 34 | 12 | 60 | BD | 5+ | None |
| **11-9051** | Food Service Managers | 4,092 | 4,255 | 163 | 3.98% | 150 | 354 | 82 | 586 | HS | <5 | STOJT |
| **11-9081** | Lodging Managers | 776 | 802 | 26 | 3.35% | 32 | 54 | 13 | 99 | HS | <5 | None |
| **11-9111** | Medical and Health Services Managers | 5,977 | 6,327 | 350 | 5.86% | 172 | 310 | 175 | 657 | BD | <5 | None |
| **11-9121** | Natural Sciences Managers | 317 | 320 | 3 | 0.95% | 8 | 17 | 2 | 27 | BD | 5+ | None |
| **11-9131** | Postmasters and Mail Superintendents | 178 | 177 | -1 | -0.56% | 6 | 8 | 0 | 14 | HS | <5 | MTOJT |
| **11-9141** | Property, Real Estate, and Community Association Managers | 1,995 | 2,070 | 75 | 3.76% | 86 | 78 | 38 | 202 | HS | <5 | None |
| **11-9151** | Social and Community Service Managers | 1,892 | 2,014 | 122 | 6.45% | 65 | 104 | 61 | 230 | BD | <5 | None |
| **11-9161** | Emergency Management Directors | 169 | 169 | 0 | 0.00% | 6 | 8 | 0 | 14 | BD | 5+ | None |
| **11-9171** | Funeral Home Managers | 471 | 483 | 12 | 2.55% | 14 | 23 | 6 | 43 | AD | <5 | None |
| **11-9179** | Personal Service Managers, All Other | 65 | 68 | 3 | 4.62% | 2 | 3 | 2 | 7 | HS | <5 | None |
| **11-9199** | Managers, All Other | 12,479 | 12,887 | 408 | 3.27% | 388 | 605 | 204 | 1,197 | BD | <5 | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **13-0000** | **BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS** | **75,003** | **79,716** | **4,713** | **6.28%** | **2,396** | **4,397** | **2,356** | **9,149** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***13-1000*** | ***Business Operations Specialists*** | ***53,873*** | ***57,535*** | ***3,662*** | ***6.80%*** | ***1,716*** | ***3,266*** | ***1,831*** | ***6,813*** |  |  |  |
| **13-1020** | Buyers and Purchasing Agents | 4,229 | 4,307 | 78 | 1.84% | 158 | 268 | 39 | 465 | BD | None | MTOJT |
| **13-1031** | Claims Adjusters, Examiners, and Investigators | 7,744 | 8,622 | 878 | 11.34% | 224 | 424 | 439 | 1,087 | HS | None | LTOJT |
| **13-1032** | Insurance Appraisers, Auto Damage | 95 | 99 | 4 | 4.21% | 2 | 5 | 2 | 9 | PS | None | MTOJT |
| **13-1041** | Compliance Officers | 2,931 | 3,008 | 77 | 2.63% | 88 | 148 | 38 | 274 | BD | None | MTOJT |
| **13-1051** | Cost Estimators | 1,021 | 1,051 | 30 | 2.94% | 31 | 62 | 15 | 108 | BD | None | MTOJT |
| **13-1071** | Human Resources Specialists | 4,667 | 4,817 | 150 | 3.21% | 141 | 303 | 75 | 519 | BD | None | None |
| **13-1075** | Labor Relations Specialists | 741 | 772 | 31 | 4.18% | 22 | 48 | 16 | 86 | BD | <5 | None |
| **13-1081** | Logisticians | 1,375 | 1,514 | 139 | 10.11% | 39 | 87 | 70 | 196 | BD | None | None |
| **13-1082** | Project Management Specialists | 5,072 | 5,324 | 252 | 4.97% | 119 | 296 | 126 | 541 | BD | None | None |
| **13-1111** | Management Analysts | 6,986 | 7,359 | 373 | 5.34% | 258 | 392 | 186 | 836 | BD | <5 | None |
| **13-1121** | Meeting, Convention, and Event Planners | 723 | 787 | 64 | 8.85% | 28 | 50 | 32 | 110 | BD | None | None |
| **13-1131** | Fundraisers | 1,929 | 2,534 | 605 | 31.36% | 80 | 124 | 302 | 506 | BD | None | None |
| **13-1141** | Compensation, Benefits, and Job Analysis Specialists | 501 | 520 | 19 | 3.79% | 16 | 26 | 10 | 52 | BD | <5 | None |
| **13-1151** | Training and Development Specialists | 2,970 | 3,094 | 124 | 4.18% | 96 | 180 | 62 | 338 | BD | <5 | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **13-1161** | Market Research Analysts and Marketing  Specialists | 4,938 | 5,318 | 380 | 7.70% | 148 | 352 | 190 | 690 | BD | None | None |
| **13-1199** | Business Operations Specialists, All Other | 7,870 | 8,330 | 460 | 5.84% | 262 | 494 | 230 | 986 | BD | None | None |
| ***13-2000*** | ***Financial Specialists*** | ***21,130*** | ***22,181*** | ***1,051*** | ***4.97%*** | ***680*** | ***1,131*** | ***526*** | ***2,337*** |  |  |  |
| **13-2011** | Accountants and Auditors | 8,988 | 9,492 | 504 | 5.61% | 282 | 514 | 252 | 1,048 | BD | None | None |
| **13-2020** | Property Appraisers and Assessors | 1,014 | 1,019 | 5 | 0.49% | 47 | 38 | 2 | 87 | BD | None | LTOJT |
| **13-2031** | Budget Analysts | 418 | 418 | 0 | 0.00% | 12 | 20 | 0 | 32 | BD | None | None |
| **13-2041** | Credit Analysts | 239 | 245 | 6 | 2.51% | 5 | 14 | 3 | 22 | BD | None | None |
| **13-2051** | Financial and Investment Analysts | 1,148 | 1,208 | 60 | 5.23% | 24 | 62 | 30 | 116 | BD | None | None |
| **13-2052** | Personal Financial Advisors | 1,537 | 1,591 | 54 | 3.51% | 43 | 68 | 27 | 138 | BD | None | LTOJT |
| **13-2053** | Insurance Underwriters | 1,534 | 1,737 | 203 | 13.23% | 44 | 78 | 102 | 224 | BD | None | MTOJT |
| **13-2054** | Financial Risk Specialists | 136 | 142 | 6 | 4.41% | 4 | 7 | 3 | 14 | BD | None | None |
| **13-2061** | Financial Examiners | 424 | 452 | 28 | 6.60% | 13 | 22 | 14 | 49 | BD | None | LTOJT |
| **13-2072** | Loan Officers | 3,226 | 3,341 | 115 | 3.56% | 83 | 172 | 58 | 313 | BD | <5 | MTOJT |
| **13-2081** | Tax Examiners and Collectors, and Revenue Agents | 556 | 548 | -8 | -1.44% | 22 | 26 | -4 | 44 | BD | None | MTOJT |
| **13-2082** | Tax Preparers | 1,621 | 1,689 | 68 | 4.19% | 94 | 96 | 34 | 224 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **15-0000** | **COMPUTER AND MATHEMATICAL OCCUPATIONS** | **24,083** | **25,325** | **1,242** | **5.16%** | **554** | **1,194** | **621** | **2,369** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***15-1200*** | ***Computer Occupations*** | ***22,895*** | ***24,032*** | ***1,137*** | ***4.97%*** | ***524*** | ***1,138*** | ***568*** | ***2,230*** |  |  |  |
| **15-1211** | Computer Systems Analysts | 2,498 | 2,618 | 120 | 4.80% | 63 | 116 | 60 | 239 | BD | None | None |
| **15-1212** | Information Security Analysts | 1,007 | 1,101 | 94 | 9.33% | 24 | 52 | 47 | 123 | BD | <5 | None |
| **15-1231** | Computer Network Support Specialists | 1,699 | 1,790 | 91 | 5.36% | 41 | 93 | 46 | 180 | AD | None | MTOJT |
| **15-1232** | Computer User Support Specialists | 3,515 | 3,602 | 87 | 2.48% | 84 | 190 | 44 | 318 | SC | None | MTOJT |
| **15-1241** | Computer Network Architects | 815 | 849 | 34 | 4.17% | 14 | 38 | 17 | 69 | BD | 5+ | None |
| **15-1242** | Database Administrators | 472 | 495 | 23 | 4.87% | 12 | 21 | 12 | 45 | BD | None | None |
| **15-1243** | Database Architects | 268 | 281 | 13 | 4.85% | 6 | 12 | 6 | 24 | BD | <5 | None |
| **15-1244** | Network and Computer Systems Administrators | 1,688 | 1,733 | 45 | 2.67% | 36 | 78 | 22 | 136 | BD | None | None |
| **15-1251** | Computer Programmers | 1,767 | 1,770 | 3 | 0.17% | 42 | 79 | 2 | 123 | BD | None | None |
| **15-1252** | Software Developers | 4,384 | 4,706 | 322 | 7.34% | 80 | 220 | 161 | 461 | BD | None | None |
| **15-1254** | Web Developers | 285 | 313 | 28 | 9.82% | 6 | 16 | 14 | 36 | BD | None | None |
| **15-1255** | Web and Digital Interface Designers | 765 | 803 | 38 | 4.97% | 24 | 42 | 19 | 85 | BD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **15-1299** | Computer Occupations, All Other | 1,162 | 1,197 | 35 | 3.01% | 28 | 56 | 18 | 102 | BD | None | None |
| ***15-2000*** | ***Mathematical Science Occupations*** | ***1,188*** | ***1,293*** | ***105*** | ***8.84%*** | ***30*** | ***55*** | ***52*** | ***137*** |  |  |  |
| **15-2031** | Operations Research Analysts | 286 | 303 | 17 | 5.94% | 8 | 12 | 8 | 28 | BD | None | None |
| **15-2041** | Statisticians | 531 | 578 | 47 | 8.85% | 14 | 26 | 24 | 64 | MD | None | None |
| **15-2051** | Data Scientists | 275 | 303 | 28 | 10.18% | 7 | 14 | 14 | 35 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **17-0000** | **ARCHITECTURE AND ENGINEERING OCCUPATIONS** | **11,899** | **12,297** | **398** | **3.34%** | **352** | **578** | **199** | **1,129** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***17-1000*** | ***Architects, Surveyors, and Cartographers*** | ***1,486*** | ***1,537*** | ***51*** | ***3.43%*** | ***48*** | ***59*** | ***26*** | ***133*** |  |  |  |
| **17-1011** | Architects, Except Landscape and Naval | 1,021 | 1,062 | 41 | 4.02% | 32 | 40 | 20 | 92 | BD | None | I/R |
| **17-1012** | Landscape Architects | 47 | 48 | 1 | 2.13% | 2 | 2 | 0 | 4 | BD | None | I/R |
| **17-1021** | Cartographers and Photogrammetrists | 65 | 63 | -2 | -3.08% | 2 | 2 | -1 | 3 | BD | None | None |
| **17-1022** | Surveyors | 353 | 364 | 11 | 3.12% | 12 | 15 | 6 | 33 | BD | None | I/R |
| ***17-2000*** | ***Engineers*** | ***6,869*** | ***7,136*** | ***267*** | ***3.89%*** | ***160*** | ***280*** | ***134*** | ***574*** |  |  |  |
| **17-2031** | Bioengineers and Biomedical Engineers | 28 | 29 | 1 | 3.57% | 0 | 1 | 0 | 1 | BD | None | None |
| **17-2041** | Chemical Engineers | 164 | 172 | 8 | 4.88% | 4 | 6 | 4 | 14 | BD | None | None |
| **17-2051** | Civil Engineers | 1,761 | 1,823 | 62 | 3.52% | 38 | 81 | 31 | 150 | BD | None | None |
| **17-2061** | Computer Hardware Engineers | 100 | 107 | 7 | 7.00% | 2 | 4 | 4 | 10 | BD | None | None |
| **17-2071** | Electrical Engineers | 769 | 772 | 3 | 0.39% | 20 | 28 | 2 | 50 | BD | None | None |
| **17-2072** | Electronics Engineers, Except Computer | 172 | 175 | 3 | 1.74% | 4 | 6 | 2 | 12 | BD | None | None |
| **17-2081** | Environmental Engineers | 147 | 156 | 9 | 6.12% | 4 | 6 | 4 | 14 | BD | None | None |
| **17-2111** | Health and Safety Engineers, Except Mining Safety Engineers and Inspectors | 190 | 201 | 11 | 5.79% | 4 | 8 | 6 | 18 | BD | None | None |
| **17-2112** | Industrial Engineers | 1,622 | 1,709 | 87 | 5.36% | 39 | 62 | 44 | 145 | BD | None | None |
| **17-2121** | Marine Engineers and Naval Architects | 20 | 21 | 1 | 5.00% | 0 | 0 | 0 | 0 | BD | None | None |
| **17-2131** | Materials Engineers | 105 | 115 | 10 | 9.52% | 3 | 4 | 5 | 12 | BD | None | None |
| **17-2141** | Mechanical Engineers | 1,233 | 1,292 | 59 | 4.79% | 26 | 50 | 30 | 106 | BD | None | None |
| **17-2171** | Petroleum Engineers | 46 | 47 | 1 | 2.17% | 1 | 2 | 0 | 3 | BD | None | None |
| **17-2199** | Engineers, All Other | 319 | 327 | 8 | 2.51% | 8 | 13 | 4 | 25 | BD | None | None |
| ***17-3000*** | ***Drafters, Engineering Technicians, and Mapping Technicians*** | ***3,544*** | ***3,624*** | ***80*** | ***2.26%*** | ***144*** | ***238*** | ***40*** | ***422*** |  |  |  |
| **17-3011** | Architectural and Civil Drafters | 756 | 784 | 28 | 3.70% | 38 | 50 | 14 | 102 | AD | None | None |
| **17-3012** | Electrical and Electronics Drafters | 52 | 50 | -2 | -3.85% | 2 | 3 | -1 | 4 | AD | None | None |
| **17-3013** | Mechanical Drafters | 308 | 318 | 10 | 3.25% | 10 | 18 | 5 | 33 | AD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **17-3019** | Drafters, All Other | 39 | 39 | 0 | 0.00% | 2 | 2 | 0 | 4 | AD | None | None |
| **17-3022** | Civil Engineering Technologists and Technicians | 245 | 247 | 2 | 0.82% | 8 | 16 | 1 | 25 | AD | None | None |
| **17-3023** | Electrical and Electronics Engineering Technologists and Technicians | 256 | 262 | 6 | 2.34% | 13 | 14 | 3 | 30 | AD | None | None |
| **17-3025** | Environmental Engineering Technologists and Technicians | 194 | 196 | 2 | 1.03% | 7 | 12 | 1 | 20 | AD | None | None |
| **17-3026** | Industrial Engineering Technologists and Technicians | 362 | 374 | 12 | 3.31% | 13 | 23 | 6 | 42 | AD | None | None |
| **17-3027** | Mechanical Engineering Technologists and Technicians | 64 | 64 | 0 | 0.00% | 2 | 4 | 0 | 6 | AD | None | None |
| **17-3028** | Calibration Technologists and  Technicians | 62 | 65 | 3 | 4.84% | 2 | 4 | 2 | 8 | AD | None | None |
| **17-3029** | Engineering Technologists and Technicians, Except Drafters, All Other | 488 | 490 | 2 | 0.41% | 18 | 30 | 1 | 49 | AD | None | None |
| **17-3031** | Surveying and Mapping Technicians | 705 | 721 | 16 | 2.27% | 28 | 60 | 8 | 96 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **19-0000** | **LIFE, PHYSICAL, AND SOCIAL SCIENCE OCCUPATIONS** | **8,354** | **8,503** | **149** | **1.78%** | **194** | **638** | **74** | **906** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***19-1000*** | ***Life Scientists*** | ***2,130*** | ***2,149*** | ***19*** | ***0.89%*** | ***46*** | ***140*** | ***10*** | ***196*** |  |  |  |
| **19-1011** | Animal Scientists | 55 | 54 | -1 | -1.82% | 2 | 4 | 0 | 6 | BD | None | None |
| **19-1012** | Food Scientists and Technologists | 338 | 356 | 18 | 5.33% | 10 | 25 | 9 | 44 | BD | None | None |
| **19-1013** | Soil and Plant Scientists | 221 | 223 | 2 | 0.90% | 6 | 16 | 1 | 23 | BD | None | None |
| **19-1022** | Microbiologists | 233 | 237 | 4 | 1.72% | 4 | 16 | 2 | 22 | BD | None | None |
| **19-1023** | Zoologists and Wildlife Biologists | 165 | 164 | -1 | -0.61% | 3 | 11 | 0 | 14 | BD | None | None |
| **19-1031** | Conservation Scientists | 156 | 155 | -1 | -0.64% | 4 | 10 | 0 | 14 | BD | None | None |
| **19-1032** | Foresters | 387 | 374 | -13 | -3.36% | 8 | 25 | -6 | 27 | BD | None | None |
| **19-1041** | Epidemiologists | 44 | 47 | 3 | 6.82% | 0 | 2 | 2 | 4 | MD | None | None |
| **19-1042** | Medical Scientists, Except Epidemiologists | 201 | 207 | 6 | 2.99% | 3 | 10 | 3 | 16 | DD | None | None |
| ***19-2000*** | ***Physical Scientists*** | ***891*** | ***905*** | ***14*** | ***1.57%*** | ***16*** | ***58*** | ***7*** | ***81*** |  |  |  |
| **19-2012** | Physicists | 50 | 49 | -1 | -2.00% | 2 | 2 | 0 | 4 | DD | None | None |
| **19-2021** | Atmospheric and Space Scientists | 34 | 34 | 0 | 0.00% | 0 | 2 | 0 | 2 | BD | None | None |
| **19-2031** | Chemists | 389 | 395 | 6 | 1.54% | 7 | 25 | 3 | 35 | BD | None | None |
| **19-2041** | Environmental Scientists and Specialists, Including Health | 180 | 186 | 6 | 3.33% | 4 | 12 | 3 | 19 | BD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **19-2042** | Geoscientists, Except Hydrologists and  Geographers | 118 | 122 | 4 | 3.39% | 2 | 9 | 2 | 13 | BD | None | None |
| **19-2099** | Physical Scientists, All Other | 100 | 99 | -1 | -1.00% | 2 | 6 | 0 | 8 | BD | None | None |
| ***19-3000*** | ***Social Scientists and Related Workers*** | ***1,621*** | ***1,664*** | ***43*** | ***2.65%*** | ***44*** | ***76*** | ***22*** | ***142*** |  |  |  |
| **19-3011** | Economists | 132 | 135 | 3 | 2.27% | 3 | 7 | 2 | 12 | MD | None | None |
| **19-3033** | Clinical and Counseling Psychologists | 498 | 518 | 20 | 4.02% | 15 | 18 | 10 | 43 | DD | None | I/R |
| **19-3034** | School Psychologists | 250 | 257 | 7 | 2.80% | 6 | 14 | 4 | 24 | MD | None | I/R |
| **19-3039** | Psychologists, All Other | 350 | 357 | 7 | 2.00% | 12 | 12 | 4 | 28 | MD | None | I/R |
| **19-3051** | Urban and Regional Planners | 179 | 186 | 7 | 3.91% | 4 | 12 | 4 | 20 | MD | None | None |
| **19-3091** | Anthropologists and Archeologists | 30 | 30 | 0 | 0.00% | 0 | 2 | 0 | 2 | MD | None | None |
| **19-3099** | Social Scientists and Related Workers, All Other | 166 | 165 | -1 | -0.60% | 4 | 12 | 0 | 16 | BD | None | None |
| ***19-4000*** | ***Life, Physical, and Social Science Technicians*** | ***2,908*** | ***2,968*** | ***60*** | ***2.06%*** | ***70*** | ***299*** | ***30*** | ***399*** |  |  |  |
| **19-4012** | Agricultural Technicians | 503 | 514 | 11 | 2.19% | 10 | 61 | 6 | 77 | AD | None | MTOJT |
| **19-4013** | Food Science Technicians | 85 | 83 | -2 | -2.35% | 2 | 10 | -1 | 11 | AD | None | MTOJT |
| **19-4021** | Biological Technicians | 333 | 336 | 3 | 0.90% | 10 | 34 | 2 | 46 | BD | None | None |
| **19-4031** | Chemical Technicians | 703 | 728 | 25 | 3.56% | 15 | 72 | 12 | 99 | AD | None | MTOJT |
| **19-4042** | Environmental Science and Protection Technicians, Including Health | 127 | 130 | 3 | 2.36% | 3 | 10 | 2 | 15 | AD | None | None |
| **19-4044** | Hydrologic Technicians | 35 | 36 | 1 | 2.86% | 1 | 3 | 0 | 4 | AD | None | MTOJT |
| **19-4061** | Social Science Research Assistants | 168 | 181 | 13 | 7.74% | 4 | 17 | 6 | 27 | BD | None | None |
| **19-4071** | Forest and Conservation Technicians | 289 | 287 | -2 | -0.69% | 8 | 28 | -1 | 35 | AD | None | None |
| **19-4092** | Forensic Science Technicians | 163 | 165 | 2 | 1.23% | 4 | 16 | 1 | 21 | BD | None | MTOJT |
| **19-4099** | Life, Physical, and Social Science Technicians, All Other | 437 | 447 | 10 | 2.29% | 12 | 42 | 5 | 59 | AD | None | None |
| ***19-5000*** | ***Occupational Health and Safety Specialists and Technicians*** | ***804*** | ***817*** | ***13*** | ***1.62%*** | ***18*** | ***64*** | ***6*** | ***88*** |  |  |  |
| **19-5011** | Occupational Health and Safety Specialists | 654 | 661 | 7 | 1.07% | 15 | 52 | 4 | 71 | BD | None | None |
| **19-5012** | Occupational Health and Safety Technicians | 150 | 156 | 6 | 4.00% | 4 | 12 | 3 | 19 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **21-0000** | **COMMUNITY AND SOCIAL SERVICE OCCUPATIONS** | **33,681** | **34,295** | **614** | **1.82%** | **1,400** | **1,874** | **307** | **3,581** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***21-1000*** | ***Counselors, Social Workers, and***  ***Other Community and Social Service Specialists*** | ***16,154*** | ***16,768*** | ***614*** | ***3.80%*** | ***643*** | ***952*** | ***307*** | ***1,902*** |  |  |  |
| **21-1012** | Educational, Guidance, and Career Counselors and Advisors | 2,135 | 2,193 | 58 | 2.72% | 68 | 109 | 29 | 206 | MD | None | None |
| **21-1013** | Marriage and Family Therapists | 34 | 34 | 0 | 0.00% | 2 | 2 | 0 | 4 | MD | None | I/R |
| **21-1015** | Rehabilitation Counselors | 293 | 293 | 0 | 0.00% | 12 | 15 | 0 | 27 | MD | None | None |
| **21-1018** | Substance Abuse, Behavioral Disorder, and Mental Health Counselors | 2,361 | 2,445 | 84 | 3.56% | 87 | 134 | 42 | 263 | BD | None | None |
| **21-1019** | Counselors, All Other | 172 | 174 | 2 | 1.16% | 8 | 10 | 1 | 19 | MD | None | None |
| **21-1021** | Child, Family, and School Social Workers | 1,248 | 1,246 | -2 | -0.16% | 41 | 74 | -1 | 114 | BD | None | None |
| **21-1022** | Healthcare Social Workers | 1,208 | 1,228 | 20 | 1.66% | 48 | 65 | 10 | 123 | MD | None | I/R |
| **21-1023** | Mental Health and Substance Abuse Social Workers | 1,146 | 1,179 | 33 | 2.88% | 58 | 46 | 16 | 120 | MD | None | I/R |
| **21-1029** | Social Workers, All Other | 1,315 | 1,314 | -1 | -0.08% | 44 | 78 | 0 | 122 | BD | None | None |
| **21-1091** | Health Education Specialists | 243 | 246 | 3 | 1.23% | 10 | 16 | 2 | 28 | BD | None | None |
| **21-1092** | Probation Officers and Correctional Treatment Specialists | 1,016 | 1,004 | -12 | -1.18% | 29 | 56 | -6 | 79 | BD | None | STOJT |
| **21-1093** | Social and Human Service Assistants | 4,061 | 4,418 | 357 | 8.79% | 198 | 282 | 178 | 658 | HS | None | STOJT |
| **21-1094** | Community Health Workers | 192 | 196 | 4 | 2.08% | 8 | 13 | 2 | 23 | HS | None | STOJT |
| **21-1099** | Community and Social Service Specialists, All Other | 730 | 798 | 68 | 9.32% | 31 | 51 | 34 | 116 | BD | None | None |
| ***21-2000*** | ***Religious Workers*** | ***17,527*** | ***17,527*** | ***0*** | ***0.00%*** | ***756*** | ***922*** | ***0*** | ***1,678*** |  |  |  |
| **21-2011** | Clergy | 15,413 | 15,412 | -1 | -0.01% | 647 | 788 | 0 | 1,435 | BD | None | MTOJT |
| **21-2021** | Directors, Religious Activities and Education | 1,167 | 1,168 | 1 | 0.09% | 49 | 73 | 0 | 122 | BD | <5 | None |
| **21-2099** | Religious Workers, All Other | 947 | 947 | 0 | 0.00% | 60 | 62 | 0 | 122 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **23-0000** | **LEGAL OCCUPATIONS** | **7,607** | **7,914** | **307** | **4.04%** | **258** | **332** | **154** | **744** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***23-1000*** | ***Lawyers, Judges, and Related Workers*** | ***3,867*** | ***3,977*** | ***110*** | ***2.84%*** | ***100*** | ***86*** | ***55*** | ***241*** |  |  |  |
| **23-1011** | Lawyers | 3,320 | 3,434 | 114 | 3.43% | 85 | 72 | 57 | 214 | DD | None | None |
| **23-1012** | Judicial Law Clerks | 82 | 81 | -1 | -1.22% | 3 | 3 | 0 | 6 | DD | None | None |
| **23-1021** | Administrative Law Judges, Adjudicators, and Hearing Officers | 226 | 224 | -2 | -0.88% | 6 | 5 | -1 | 10 | DD | 5+ | STOJT |
| **23-1022** | Arbitrators, Mediators, and Conciliators | 23 | 23 | 0 | 0.00% | 0 | 0 | 0 | 0 | BD | <5 | MTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **23-1023** | Judges, Magistrate Judges, and  Magistrates | 216 | 215 | -1 | -0.46% | 6 | 4 | 0 | 10 | DD | 5+ | STOJT |
| ***23-2000*** | ***Legal Support Workers*** | ***3,740*** | ***3,937*** | ***197*** | ***5.27%*** | ***158*** | ***246*** | ***98*** | ***502*** |  |  |  |
| **23-2011** | Paralegals and Legal Assistants | 2,875 | 3,035 | 160 | 5.57% | 123 | 196 | 80 | 399 | AD | None | None |
| **23-2093** | Title Examiners, Abstractors, and Searchers | 774 | 813 | 39 | 5.04% | 32 | 44 | 20 | 96 | HS | None | MTOJT |
| **23-2099** | Legal Support Workers, All Other | 91 | 89 | -2 | -2.20% | 4 | 6 | -1 | 9 | AD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **25-0000** | **EDUCATIONAL INSTRUCTION AND LIBRARY OCCUPATIONS** | **84,206** | **86,193** | **1,987** | **2.36%** | **3,698** | **3,796** | **994** | **8,488** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***25-1000*** | ***Postsecondary Teachers*** | ***10,890*** | ***11,273*** | ***383*** | ***3.52%*** | ***498*** | ***421*** | ***192*** | ***1,111*** |  |  |  |
| **25-1011** | Business Teachers, Postsecondary | 560 | 575 | 15 | 2.68% | 26 | 22 | 8 | 56 | DD | None | None |
| **25-1021** | Computer Science Teachers, Postsecondary | 374 | 386 | 12 | 3.21% | 17 | 14 | 6 | 37 | DD | None | None |
| **25-1022** | Mathematical Science Teachers, Postsecondary | 463 | 478 | 15 | 3.24% | 21 | 18 | 8 | 47 | DD | None | None |
| **25-1032** | Engineering Teachers, Postsecondary | 202 | 211 | 9 | 4.46% | 10 | 8 | 4 | 22 | DD | None | None |
| **25-1041** | Agricultural Sciences Teachers, Postsecondary | 117 | 118 | 1 | 0.85% | 6 | 4 | 0 | 10 | DD | None | None |
| **25-1042** | Biological Science Teachers, Postsecondary | 1,745 | 1,783 | 38 | 2.18% | 80 | 67 | 19 | 166 | DD | None | None |
| **25-1051** | Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary | 43 | 44 | 1 | 2.33% | 2 | 2 | 0 | 4 | DD | None | None |
| **25-1052** | Chemistry Teachers, Postsecondary | 255 | 263 | 8 | 3.14% | 12 | 10 | 4 | 26 | DD | None | None |
| **25-1054** | Physics Teachers, Postsecondary | 106 | 109 | 3 | 2.83% | 5 | 4 | 2 | 11 | DD | None | None |
| **25-1061** | Anthropology and Archeology Teachers, Postsecondary | 32 | 33 | 1 | 3.13% | 2 | 1 | 0 | 3 | DD | None | None |
| **25-1063** | Economics Teachers, Postsecondary | 109 | 113 | 4 | 3.67% | 5 | 4 | 2 | 11 | DD | None | None |
| **25-1065** | Political Science Teachers, Postsecondary | 111 | 114 | 3 | 2.70% | 5 | 4 | 2 | 11 | DD | None | None |
| **25-1066** | Psychology Teachers, Postsecondary | 254 | 262 | 8 | 3.15% | 12 | 10 | 4 | 26 | DD | None | None |
| **25-1067** | Sociology Teachers, Postsecondary | 128 | 132 | 4 | 3.13% | 6 | 5 | 2 | 13 | DD | None | None |
| **25-1069** | Social Sciences Teachers, Postsecondary, All Other | 227 | 235 | 8 | 3.52% | 10 | 9 | 4 | 23 | DD | None | None |
| **25-1071** | Health Specialties Teachers, Postsecondary | 807 | 856 | 49 | 6.07% | 38 | 32 | 24 | 94 | DD | <5 | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **25-1072** | Nursing Instructors and Teachers,  Postsecondary | 515 | 544 | 29 | 5.63% | 24 | 20 | 14 | 58 | DD | <5 | None |
| **25-1081** | Education Teachers, Postsecondary | 481 | 497 | 16 | 3.33% | 22 | 18 | 8 | 48 | DD | <5 | None |
| **25-1082** | Library Science Teachers, Postsecondary | 37 | 38 | 1 | 2.70% | 2 | 2 | 0 | 4 | DD | None | None |
| **25-1111** | Criminal Justice and Law Enforcement Teachers, Postsecondary | 68 | 71 | 3 | 4.41% | 3 | 2 | 2 | 7 | DD | None | None |
| **25-1112** | Law Teachers, Postsecondary | 69 | 71 | 2 | 2.90% | 3 | 2 | 1 | 6 | DD | <5 | None |
| **25-1113** | Social Work Teachers, Postsecondary | 143 | 147 | 4 | 2.80% | 6 | 6 | 2 | 14 | DD | None | None |
| **25-1121** | Art, Drama, and Music Teachers, Postsecondary | 813 | 838 | 25 | 3.08% | 37 | 32 | 12 | 81 | MD | None | None |
| **25-1122** | Communications Teachers, Postsecondary | 354 | 365 | 11 | 3.11% | 16 | 14 | 6 | 36 | DD | None | None |
| **25-1123** | English Language and Literature Teachers, Postsecondary | 534 | 551 | 17 | 3.18% | 24 | 20 | 8 | 52 | DD | None | None |
| **25-1124** | Foreign Language and Literature Teachers, Postsecondary | 180 | 185 | 5 | 2.78% | 8 | 7 | 2 | 17 | DD | None | None |
| **25-1125** | History Teachers, Postsecondary | 219 | 226 | 7 | 3.20% | 10 | 8 | 4 | 22 | DD | None | None |
| **25-1126** | Philosophy and Religion Teachers, Postsecondary | 111 | 114 | 3 | 2.70% | 5 | 4 | 2 | 11 | DD | None | None |
| **25-1192** | Family and Consumer Sciences Teachers, Postsecondary | 45 | 47 | 2 | 4.44% | 2 | 2 | 1 | 5 | DD | None | None |
| **25-1193** | Recreation and Fitness Studies Teachers, Postsecondary | 155 | 160 | 5 | 3.23% | 7 | 6 | 2 | 15 | DD | None | None |
| **25-1194** | Career/Technical Education Teachers, Postsecondary | 1,083 | 1,140 | 57 | 5.26% | 50 | 42 | 28 | 120 | BD | <5 | None |
| **25-1199** | Postsecondary Teachers, All Other | 499 | 514 | 15 | 3.01% | 23 | 19 | 8 | 50 | DD | None | None |
| ***25-2000*** | ***Preschool, Elementary, Middle, Secondary, and Special Education Teachers*** | ***43,722*** | ***44,650*** | ***928*** | ***2.12%*** | ***1,516*** | ***1,883*** | ***464*** | ***3,863*** |  |  |  |
| **25-2011** | Preschool Teachers, Except Special  Education | 5,155 | 5,332 | 177 | 3.43% | 242 | 320 | 88 | 650 | AD | None | None |
| **25-2012** | Kindergarten Teachers, Except Special Education | 2,336 | 2,366 | 30 | 1.28% | 109 | 144 | 15 | 268 | BD | None | None |
| **25-2021** | Elementary School Teachers, Except Special Education | 12,859 | 13,111 | 252 | 1.96% | 436 | 504 | 126 | 1,066 | BD | None | None |
| **25-2022** | Middle School Teachers, Except Special and Career/Technical Education | 5,811 | 5,926 | 115 | 1.98% | 197 | 228 | 58 | 483 | BD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **25-2031** | Secondary School Teachers, Except  Special and Career/Technical Education | 12,197 | 12,450 | 253 | 2.07% | 353 | 478 | 126 | 957 | BD | None | None |
| **25-2032** | Career/Technical Education Teachers, Secondary School | 1,184 | 1,205 | 21 | 1.77% | 34 | 46 | 10 | 90 | BD | <5 | None |
| **25-2051** | Special Education Teachers, Preschool | 396 | 403 | 7 | 1.77% | 14 | 16 | 4 | 34 | BD | None | None |
| **25-2052** | Special Education Teachers, Kindergarten and Elementary School | 1,406 | 1,432 | 26 | 1.85% | 49 | 55 | 13 | 117 | BD | None | None |
| **25-2057** | Special Education Teachers, Middle School | 911 | 928 | 17 | 1.87% | 32 | 36 | 8 | 76 | BD | None | None |
| **25-2058** | Special Education Teachers, Secondary School | 1,438 | 1,467 | 29 | 2.02% | 50 | 56 | 14 | 120 | BD | None | None |
| ***25-3000*** | ***Other Teachers and Instructors*** | ***2,786*** | ***2,854*** | ***68*** | ***2.44%*** | ***182*** | ***151*** | ***34*** | ***367*** |  |  |  |
| **25-3011** | Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors | 340 | 342 | 2 | 0.59% | 21 | 18 | 1 | 40 | BD | None | None |
| **25-3021** | Self-Enrichment Teachers | 710 | 732 | 22 | 3.10% | 44 | 38 | 11 | 93 | HS | <5 | None |
| **25-3031** | Substitute Teachers, Short-Term | 262 | 269 | 7 | 2.67% | 16 | 14 | 4 | 34 | BD | None | None |
| **25-3041** | Tutors | 353 | 366 | 13 | 3.68% | 31 | 22 | 6 | 59 | SC | None | None |
| **25-3099** | Teachers and Instructors, All Other | 1,121 | 1,145 | 24 | 2.14% | 70 | 60 | 12 | 142 | BD | None | None |
| ***25-4000*** | ***Librarians, Curators, and Archivists*** | ***2,057*** | ***2,081*** | ***24*** | ***1.17%*** | ***137*** | ***93*** | ***12*** | ***242*** |  |  |  |
| **25-4011** | Archivists | 51 | 52 | 1 | 1.96% | 3 | 3 | 0 | 6 | MD | None | None |
| **25-4012** | Curators | 76 | 78 | 2 | 2.63% | 4 | 4 | 1 | 9 | MD | None | None |
| **25-4013** | Museum Technicians and Conservators | 60 | 61 | 1 | 1.67% | 4 | 4 | 0 | 8 | BD | None | None |
| **25-4022** | Librarians and Media Collections Specialists | 1,386 | 1,409 | 23 | 1.66% | 82 | 56 | 12 | 150 | MD | None | None |
| **25-4031** | Library Technicians | 484 | 481 | -3 | -0.62% | 44 | 26 | -2 | 68 | PS | None | None |
| ***25-9000*** | ***Other Educational Instruction and Library Occupations*** | ***24,751*** | ***25,335*** | ***584*** | ***2.36%*** | ***1,364*** | ***1,248*** | ***292*** | ***2,904*** |  |  |  |
| **25-9021** | Farm and Home Management Educators | 209 | 207 | -2 | -0.96% | 10 | 9 | -1 | 18 | MD | None | None |
| **25-9031** | Instructional Coordinators | 1,234 | 1,257 | 23 | 1.86% | 61 | 52 | 12 | 125 | MD | 5+ | None |
| **25-9044** | Teaching Assistants, Postsecondary | 1,984 | 2,042 | 58 | 2.92% | 120 | 114 | 29 | 263 | BD | None | None |
| **25-9045** | Teaching Assistants, Except Postsecondary | 10,962 | 11,179 | 217 | 1.98% | 660 | 630 | 108 | 1,398 | SC | None | None |
| **25-9099** | Educational Instruction and Library Workers, All Other | 10,362 | 10,650 | 288 | 2.78% | 514 | 442 | 144 | 1,100 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **27-0000** | **ARTS, DESIGN, ENTERTAINMENT, SPORTS, AND MEDIA OCCUPATIONS** | **15,996** | **16,503** | **507** | **3.17%** | **676** | **1,014** | **254** | **1,944** |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***27-1000*** | ***Art and Design Workers*** | ***6,461*** | ***6,676*** | ***215*** | ***3.33%*** | ***272*** | ***397*** | ***108*** | ***777*** |  |  |  |
| **27-1011** | Art Directors | 638 | 649 | 11 | 1.72% | 33 | 34 | 6 | 73 | BD | 5+ | None |
| **27-1013** | Fine Artists, Including Painters, Sculptors, and Illustrators | 48 | 50 | 2 | 4.17% | 2 | 2 | 1 | 5 | BD | None | LTOJT |
| **27-1014** | Special Effects Artists and Animators | 151 | 157 | 6 | 3.97% | 8 | 8 | 3 | 19 | BD | None | None |
| **27-1021** | Commercial and Industrial Designers | 228 | 237 | 9 | 3.95% | 7 | 14 | 4 | 25 | BD | None | None |
| **27-1022** | Fashion Designers | 197 | 204 | 7 | 3.55% | 7 | 13 | 4 | 24 | BD | None | None |
| **27-1023** | Floral Designers | 384 | 395 | 11 | 2.86% | 24 | 22 | 6 | 52 | HS | None | MTOJT |
| **27-1024** | Graphic Designers | 1,510 | 1,538 | 28 | 1.85% | 46 | 91 | 14 | 151 | BD | None | None |
| **27-1025** | Interior Designers | 1,126 | 1,167 | 41 | 3.64% | 41 | 58 | 20 | 119 | BD | None | None |
| **27-1026** | Merchandise Displayers and Window Trimmers | 2,009 | 2,105 | 96 | 4.78% | 96 | 144 | 48 | 288 | HS | None | STOJT |
| **27-1027** | Set and Exhibit Designers | 30 | 30 | 0 | 0.00% | 1 | 2 | 0 | 3 | BD | None | None |
| **27-1029** | Designers, All Other | 38 | 39 | 1 | 2.63% | 1 | 2 | 0 | 3 | BD | None | None |
| ***27-2000*** | ***Entertainers and Performers, Sports, and Related Workers*** | ***3,635*** | ***3,753*** | ***118*** | ***3.25%*** | ***200*** | ***260*** | ***59*** | ***519*** |  |  |  |
| **27-2012** | Producers and Directors | 571 | 576 | 5 | 0.88% | 16 | 38 | 2 | 56 | BD | <5 | None |
| **27-2021** | Athletes and Sports Competitors | 442 | 464 | 22 | 4.98% | 22 | 36 | 11 | 69 | NFE | None | LTOJT |
| **27-2022** | Coaches and Scouts | 1,971 | 2,063 | 92 | 4.67% | 114 | 149 | 46 | 309 | BD | None | None |
| ***27-3000*** | ***Media and Communication Workers*** | ***4,142*** | ***4,271*** | ***129*** | ***3.11%*** | ***148*** | ***252*** | ***64*** | ***464*** |  |  |  |
| **27-3011** | Broadcast Announcers and Radio Disc Jockeys | 190 | 181 | -9 | -4.74% | 7 | 12 | -4 | 15 | BD | None | None |
| **27-3023** | News Analysts, Reporters, and Journalists | 213 | 195 | -18 | -8.45% | 8 | 16 | -9 | 15 | BD | None | None |
| **27-3031** | Public Relations Specialists | 1,898 | 2,046 | 148 | 7.80% | 49 | 123 | 74 | 246 | BD | None | None |
| **27-3041** | Editors | 493 | 464 | -29 | -5.88% | 20 | 28 | -14 | 34 | BD | <5 | None |
| **27-3042** | Technical Writers | 174 | 179 | 5 | 2.87% | 5 | 10 | 2 | 17 | BD | <5 | STOJT |
| **27-3043** | Writers and Authors | 665 | 685 | 20 | 3.01% | 30 | 38 | 10 | 78 | BD | None | LTOJT |
| **27-3091** | Interpreters and Translators | 290 | 306 | 16 | 5.52% | 16 | 14 | 8 | 38 | BD | None | None |
| ***27-4000*** | ***Media and Communication Equipment Workers*** | ***1,758*** | ***1,803*** | ***45*** | ***2.56%*** | ***56*** | ***106*** | ***22*** | ***184*** |  |  |  |
| **27-4011** | Audio and Video Technicians | 144 | 148 | 4 | 2.78% | 4 | 10 | 2 | 16 | PS | None | STOJT |
| **27-4012** | Broadcast Technicians | 370 | 366 | -4 | -1.08% | 10 | 25 | -2 | 33 | AD | None | STOJT |
| **27-4014** | Sound Engineering Technicians | 31 | 34 | 3 | 9.68% | 1 | 2 | 2 | 5 | PS | None | STOJT |
| **27-4021** | Photographers | 947 | 981 | 34 | 3.59% | 33 | 52 | 17 | 102 | HS | None | MTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **27-4031** | Camera Operators, Television, Video,  and Film | 68 | 69 | 1 | 1.47% | 2 | 4 | 0 | 6 | BD | None | None |
| **27-4032** | Film and Video Editors | 171 | 179 | 8 | 4.68% | 6 | 12 | 4 | 22 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **29-0000** | **HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS** | **87,010** | **89,116** | **2,106** | **2.42%** | **2,698** | **2,573** | **1,053** | **6,324** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***29-1000*** | ***Health Diagnosing or Treating Practitioners*** | ***51,829*** | ***53,102*** | ***1,273*** | ***2.46%*** | ***1,479*** | ***1,166*** | ***636*** | ***3,281*** |  |  |  |
| **29-1011** | Chiropractors | 438 | 458 | 20 | 4.57% | 10 | 4 | 10 | 24 | DD | None | None |
| **29-1021** | Dentists, General | 797 | 804 | 7 | 0.88% | 16 | 6 | 4 | 26 | DD | None | None |
| **29-1022** | Oral and Maxillofacial Surgeons | 121 | 121 | 0 | 0.00% | 2 | 1 | 0 | 3 | DD | None | I/R |
| **29-1029** | Dentists, All Other Specialists | 25 | 25 | 0 | 0.00% | 0 | 0 | 0 | 0 | DD | None | I/R |
| **29-1031** | Dietitians and Nutritionists | 778 | 805 | 27 | 3.47% | 28 | 25 | 14 | 67 | BD | None | I/R |
| **29-1041** | Optometrists | 319 | 332 | 13 | 4.08% | 6 | 3 | 6 | 15 | DD | None | None |
| **29-1051** | Pharmacists | 3,028 | 3,049 | 21 | 0.69% | 65 | 54 | 10 | 129 | DD | None | None |
| **29-1071** | Physician Assistants | 789 | 831 | 42 | 5.32% | 18 | 28 | 21 | 67 | MD | None | None |
| **29-1081** | Podiatrists | 44 | 45 | 1 | 2.27% | 1 | 0 | 0 | 1 | DD | None | I/R |
| **29-1122** | Occupational Therapists | 1,168 | 1,224 | 56 | 4.79% | 33 | 36 | 28 | 97 | MD | None | None |
| **29-1123** | Physical Therapists | 1,986 | 2,090 | 104 | 5.24% | 50 | 40 | 52 | 142 | DD | None | None |
| **29-1125** | Recreational Therapists | 51 | 52 | 1 | 1.96% | 2 | 2 | 0 | 4 | BD | None | None |
| **29-1126** | Respiratory Therapists | 1,529 | 1,583 | 54 | 3.53% | 44 | 37 | 27 | 108 | AD | None | None |
| **29-1127** | Speech-Language Pathologists | 1,703 | 1,799 | 96 | 5.64% | 48 | 56 | 48 | 152 | MD | None | I/R |
| **29-1128** | Exercise Physiologists | 84 | 85 | 1 | 1.19% | 3 | 2 | 0 | 5 | BD | None | None |
| **29-1129** | Therapists, All Other | 232 | 238 | 6 | 2.59% | 8 | 7 | 3 | 18 | BD | None | None |
| **29-1131** | Veterinarians | 578 | 608 | 30 | 5.19% | 12 | 8 | 15 | 35 | DD | None | None |
| **29-1141** | Registered Nurses | 26,595 | 26,981 | 386 | 1.45% | 859 | 665 | 193 | 1,717 | BD | None | None |
| **29-1171** | Nurse Practitioners | 2,649 | 2,926 | 277 | 10.46% | 64 | 80 | 138 | 282 | MD | None | None |
| **29-1181** | Audiologists | 201 | 208 | 7 | 3.48% | 4 | 4 | 4 | 12 | DD | None | None |
| **29-1214** | Emergency Medicine Physicians | 647 | 657 | 10 | 1.55% | 12 | 6 | 5 | 23 | DD | None | I/R |
| **29-1215** | Family Medicine Physicians | 1,290 | 1,312 | 22 | 1.71% | 25 | 12 | 11 | 48 | DD | None | I/R |
| **29-1216** | General Internal Medicine Physicians | 109 | 111 | 2 | 1.83% | 2 | 1 | 1 | 4 | DD | None | I/R |
| **29-1221** | Pediatricians, General | 170 | 171 | 1 | 0.59% | 4 | 2 | 0 | 6 | DD | None | I/R |
| **29-1222** | Physicians, Pathologists | 65 | 68 | 3 | 4.62% | 2 | 0 | 2 | 4 | DD | None | I/R |
| **29-1223** | Psychiatrists | 116 | 120 | 4 | 3.45% | 2 | 1 | 2 | 5 | DD | None | I/R |
| **29-1224** | Radiologists | 558 | 566 | 8 | 1.43% | 11 | 5 | 4 | 20 | DD | None | I/R |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **29-1229** | Physicians, All Other | 2,564 | 2,591 | 27 | 1.05% | 50 | 24 | 14 | 88 | DD | None | I/R |
| **29-1242** | Orthopedic Surgeons, Except Pediatric | 247 | 251 | 4 | 1.62% | 4 | 2 | 2 | 8 | DD | None | I/R |
| **29-1292** | Dental Hygienists | 1,287 | 1,300 | 13 | 1.01% | 54 | 30 | 6 | 90 | AD | None | None |
| **29-1299** | Healthcare Diagnosing or Treating Practitioners, All Other | 209 | 210 | 1 | 0.48% | 12 | 4 | 0 | 16 | MD | None | None |
| ***29-2000*** | ***Health Technologists and Technicians*** | ***29,759*** | ***30,233*** | ***474*** | ***1.59%*** | ***1,052*** | ***1,221*** | ***237*** | ***2,510*** |  |  |  |
| **29-2010** | Clinical Laboratory Technologists and Technicians | 2,532 | 2,578 | 46 | 1.82% | 82 | 94 | 23 | 199 | BD | None | None |
| **29-2031** | Cardiovascular Technologists and Technicians | 443 | 448 | 5 | 1.13% | 14 | 14 | 2 | 30 | AD | None | None |
| **29-2032** | Diagnostic Medical Sonographers | 505 | 522 | 17 | 3.37% | 15 | 13 | 8 | 36 | AD | None | None |
| **29-2033** | Nuclear Medicine Technologists | 179 | 180 | 1 | 0.56% | 4 | 4 | 0 | 8 | AD | None | None |
| **29-2034** | Radiologic Technologists and Technicians | 2,335 | 2,376 | 41 | 1.76% | 64 | 62 | 20 | 146 | AD | None | None |
| **29-2035** | Magnetic Resonance Imaging Technologists | 392 | 399 | 7 | 1.79% | 14 | 10 | 4 | 28 | AD | <5 | None |
| **29-2042** | Emergency Medical Technicians | 883 | 911 | 28 | 3.17% | 22 | 46 | 14 | 82 | PS | None | None |
| **29-2043** | Paramedics | 1,127 | 1,170 | 43 | 3.82% | 23 | 38 | 22 | 83 | PS | <5 | None |
| **29-2051** | Dietetic Technicians | 88 | 89 | 1 | 1.14% | 4 | 5 | 0 | 9 | AD | None | None |
| **29-2052** | Pharmacy Technicians | 4,228 | 4,296 | 68 | 1.61% | 153 | 230 | 34 | 417 | HS | None | MTOJT |
| **29-2053** | Psychiatric Technicians | 570 | 604 | 34 | 5.96% | 22 | 28 | 17 | 67 | PS | <5 | STOJT |
| **29-2055** | Surgical Technologists | 1,312 | 1,334 | 22 | 1.68% | 40 | 50 | 11 | 101 | PS | None | None |
| **29-2056** | Veterinary Technologists and Technicians | 374 | 395 | 21 | 5.61% | 12 | 25 | 10 | 47 | AD | None | None |
| **29-2057** | Ophthalmic Medical Technicians | 539 | 563 | 24 | 4.45% | 26 | 32 | 12 | 70 | PS | None | None |
| **29-2061** | Licensed Practical and Licensed Vocational Nurses | 10,487 | 10,518 | 31 | 0.30% | 419 | 428 | 16 | 863 | PS | None | None |
| **29-2072** | Medical Records Specialists | 1,807 | 1,841 | 34 | 1.88% | 66 | 64 | 17 | 147 | PS | None | None |
| **29-2081** | Opticians, Dispensing | 563 | 582 | 19 | 3.37% | 25 | 23 | 10 | 58 | HS | None | LTOJT |
| **29-2091** | Orthotists and Prosthetists | 157 | 165 | 8 | 5.10% | 6 | 6 | 4 | 16 | MD | None | I/R |
| **29-2099** | Health Technologists and Technicians, All Other | 1,125 | 1,145 | 20 | 1.78% | 38 | 43 | 10 | 91 | PS | None | None |
| ***29-9000*** | ***Other Healthcare Practitioners and Technical Occupations*** | ***5,422*** | ***5,781*** | ***359*** | ***6.62%*** | ***166*** | ***186*** | ***180*** | ***532*** |  |  |  |
| **29-9021** | Health Information Technologists and Medical Registrars | 130 | 136 | 6 | 4.62% | 4 | 4 | 3 | 11 | AD | None | None |
| **29-9091** | Athletic Trainers | 183 | 190 | 7 | 3.83% | 6 | 6 | 4 | 16 | MD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **29-9099** | Healthcare Practitioners and Technical  Workers, All Other | 5,018 | 5,362 | 344 | 6.86% | 154 | 172 | 172 | 498 | PS | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **31-0000** | **HEALTHCARE SUPPORT OCCUPATIONS** | **56,199** | **57,023** | **824** | **1.47%** | **3,765** | **4,666** | **412** | **8,843** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***31-1100*** | ***Home Health and Personal Care Aides; and Nursing Assistants, Orderlies, and Psychiatric Aides*** | ***37,486*** | ***37,477*** | ***-9*** | ***-0.02%*** | ***2,748*** | ***2,901*** | ***-4*** | ***5,645*** |  |  |  |
| **31-1120** | Home Health and Personal Care Aides | 19,213 | 19,301 | 88 | 0.46% | 1,561 | 1,348 | 44 | 2,953 | HS | None | STOJT |
| **31-1131** | Nursing Assistants | 17,342 | 17,217 | -125 | -0.72% | 1,131 | 1,462 | -62 | 2,531 | PS | None | None |
| **31-1132** | Orderlies | 392 | 404 | 12 | 3.06% | 24 | 38 | 6 | 68 | HS | None | STOJT |
| **31-1133** | Psychiatric Aides | 539 | 555 | 16 | 2.97% | 32 | 52 | 8 | 92 | HS | None | STOJT |
| ***31-2000*** | ***Occupational Therapy and Physical Therapist Assistants and Aides*** | ***2,441*** | ***2,612*** | ***171*** | ***7.01%*** | ***124*** | ***237*** | ***86*** | ***447*** |  |  |  |
| **31-2011** | Occupational Therapy Assistants | 458 | 496 | 38 | 8.30% | 26 | 48 | 19 | 93 | AD | None | None |
| **31-2021** | Physical Therapist Assistants | 1,585 | 1,693 | 108 | 6.81% | 78 | 151 | 54 | 283 | AD | None | None |
| ***31-9000*** | ***Other Healthcare Support Occupations*** | ***16,272*** | ***16,934*** | ***662*** | ***4.07%*** | ***892*** | ***1,528*** | ***331*** | ***2,751*** |  |  |  |
| **31-9011** | Massage Therapists | 568 | 602 | 34 | 5.99% | 40 | 38 | 17 | 95 | PS | None | None |
| **31-9091** | Dental Assistants | 3,221 | 3,252 | 31 | 0.96% | 178 | 284 | 16 | 478 | PS | None | None |
| **31-9092** | Medical Assistants | 4,224 | 4,398 | 174 | 4.12% | 199 | 398 | 87 | 684 | PS | None | None |
| **31-9093** | Medical Equipment Preparers | 297 | 301 | 4 | 1.35% | 17 | 26 | 2 | 45 | HS | None | MTOJT |
| **31-9094** | Medical Transcriptionists | 364 | 354 | -10 | -2.75% | 20 | 40 | -5 | 55 | PS | None | None |
| **31-9095** | Pharmacy Aides | 173 | 171 | -2 | -1.16% | 10 | 20 | -1 | 29 | HS | None | STOJT |
| **31-9096** | Veterinary Assistants and Laboratory Animal Caretakers | 1,324 | 1,398 | 74 | 5.59% | 80 | 183 | 37 | 300 | HS | None | STOJT |
| **31-9097** | Phlebotomists | 873 | 909 | 36 | 4.12% | 44 | 82 | 18 | 144 | PS | None | None |
| **31-9099** | Healthcare Support Workers, All Other | 5,228 | 5,549 | 321 | 6.14% | 304 | 456 | 160 | 920 | HS | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **33-0000** | **PROTECTIVE SERVICE OCCUPATIONS** | **26,725** | **26,469** | **-256** | **-0.96%** | **1,246** | **1,589** | **-128** | **2,707** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***33-1000*** | ***Supervisors of Protective Service Workers*** | ***3,989*** | ***3,937*** | ***-52*** | ***-1.30%*** | ***121*** | ***180*** | ***-26*** | ***275*** |  |  |  |
| **33-1011** | First-Line Supervisors of Correctional Officers | 687 | 670 | -17 | -2.47% | 26 | 32 | -8 | 50 | HS | <5 | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **33-1012** | First-Line Supervisors of Police and  Detectives | 1,765 | 1,733 | -32 | -1.81% | 42 | 74 | -16 | 100 | HS | <5 | MTOJT |
| **33-1021** | First-Line Supervisors of Firefighting and Prevention Workers | 823 | 811 | -12 | -1.46% | 26 | 32 | -6 | 52 | PS | <5 | MTOJT |
| **33-1091** | First-line Supervisors of Security Workers | 588 | 596 | 8 | 1.36% | 22 | 35 | 4 | 61 | HS | <5 | None |
| **33-1099** | First-Line Supervisors of Protective Service Workers, All Other | 126 | 127 | 1 | 0.79% | 4 | 8 | 0 | 12 | HS | <5 | None |
| ***33-2000*** | ***Firefighting and Prevention Workers*** | ***1,997*** | ***1,984*** | ***-13*** | ***-0.65%*** | ***55*** | ***106*** | ***-6*** | ***155*** |  |  |  |
| **33-2011** | Firefighters | 1,816 | 1,798 | -18 | -0.99% | 48 | 97 | -9 | 136 | PS | None | LTOJT |
| ***33-3000*** | ***Law Enforcement Workers*** | ***12,660*** | ***12,351*** | ***-309*** | ***-2.44%*** | ***421*** | ***674*** | ***-154*** | ***941*** |  |  |  |
| **33-3011** | Bailiffs | 103 | 100 | -3 | -2.91% | 10 | 4 | -2 | 12 | HS | None | MTOJT |
| **33-3012** | Correctional Officers and Jailers | 6,122 | 5,925 | -197 | -3.22% | 214 | 345 | -98 | 461 | HS | None | MTOJT |
| **33-3021** | Detectives and Criminal Investigators | 582 | 575 | -7 | -1.20% | 18 | 27 | -4 | 41 | HS | <5 | MTOJT |
| **33-3051** | Police and Sheriff's Patrol Officers | 5,631 | 5,534 | -97 | -1.72% | 167 | 286 | -48 | 405 | HS | None | MTOJT |
| ***33-9000*** | ***Other Protective Service Workers*** | ***8,079*** | ***8,197*** | ***118*** | ***1.46%*** | ***650*** | ***628*** | ***59*** | ***1,337*** |  |  |  |
| **33-9011** | Animal Control Workers | 144 | 141 | -3 | -2.08% | 4 | 8 | -2 | 10 | HS | None | MTOJT |
| **33-9021** | Private Detectives and Investigators | 207 | 217 | 10 | 4.83% | 8 | 12 | 5 | 25 | HS | <5 | MTOJT |
| **33-9032** | Security Guards | 5,759 | 5,830 | 71 | 1.23% | 350 | 448 | 36 | 834 | HS | None | STOJT |
| **33-9092** | Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers | 475 | 485 | 10 | 2.11% | 71 | 55 | 5 | 131 | NFE | None | STOJT |
| **33-9093** | Transportation Security Screeners | 148 | 147 | -1 | -0.68% | 6 | 8 | 0 | 14 | HS | None | STOJT |
| **33-9094** | School Bus Monitors | 613 | 622 | 9 | 1.47% | 102 | 24 | 4 | 130 | HS | None | STOJT |
| **33-9099** | Protective Service Workers, All Other | 566 | 582 | 16 | 2.83% | 85 | 66 | 8 | 159 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **35-0000** | **FOOD PREPARATION AND SERVING RELATED OCCUPATIONS** | **105,351** | **109,799** | **4,448** | **4.22%** | **9,280** | **10,850** | **2,224** | **22,354** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***35-1000*** | ***Supervisors of Food Preparation and Serving Workers*** | ***11,295*** | ***11,779*** | ***484*** | ***4.29%*** | ***573*** | ***1,216*** | ***242*** | ***2,031*** |  |  |  |
| **35-1011** | Chefs and Head Cooks | 565 | 592 | 27 | 4.78% | 20 | 57 | 14 | 91 | HS | 5+ | None |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 10,730 | 11,187 | 457 | 4.26% | 553 | 1,158 | 228 | 1,939 | HS | <5 | None |
| ***35-2000*** | ***Cooks and Food Preparation Workers*** | ***29,944*** | ***31,286*** | ***1,342*** | ***4.48%*** | ***2,225*** | ***2,588*** | ***671*** | ***5,484*** |  |  |  |
| **35-2011** | Cooks, Fast Food | 4,649 | 4,664 | 15 | 0.32% | 322 | 393 | 8 | 723 | NFE | None | STOJT |
| **35-2012** | Cooks, Institution and Cafeteria | 8,076 | 8,230 | 154 | 1.91% | 562 | 688 | 77 | 1,327 | NFE | None | STOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **35-2013** | Cooks, Private Household | 92 | 89 | -3 | -3.26% | 6 | 8 | -2 | 12 | PS | <5 | None |
| **35-2014** | Cooks, Restaurant | 11,013 | 11,994 | 981 | 8.91% | 794 | 972 | 490 | 2,256 | NFE | <5 | MTOJT |
| **35-2015** | Cooks, Short Order | 631 | 658 | 27 | 4.28% | 44 | 54 | 14 | 112 | NFE | None | STOJT |
| **35-2019** | Cooks, All Other | 76 | 77 | 1 | 1.32% | 6 | 6 | 0 | 12 | NFE | None | MTOJT |
| **35-2021** | Food Preparation Workers | 5,407 | 5,574 | 167 | 3.09% | 491 | 466 | 84 | 1,041 | NFE | None | STOJT |
| ***35-3000*** | ***Food and Beverage Serving Workers*** | ***56,695*** | ***58,945*** | ***2,250*** | ***3.97%*** | ***5,680*** | ***6,386*** | ***1,125*** | ***13,191*** |  |  |  |
| **35-3011** | Bartenders | 2,634 | 2,779 | 145 | 5.50% | 145 | 319 | 72 | 536 | NFE | None | STOJT |
| **35-3023** | Fast Food and Counter Workers | 36,015 | 37,436 | 1,421 | 3.95% | 3,982 | 3,957 | 710 | 8,649 | NFE | None | STOJT |
| **35-3031** | Waiters and Waitresses | 16,590 | 17,235 | 645 | 3.89% | 1,431 | 1,998 | 322 | 3,751 | NFE | None | STOJT |
| **35-3041** | Food Servers, Nonrestaurant | 1,456 | 1,495 | 39 | 2.68% | 122 | 112 | 20 | 254 | NFE | None | STOJT |
| ***35-9000*** | ***Other Food Preparation and Serving Related Workers*** | ***7,417*** | ***7,789*** | ***372*** | ***5.02%*** | ***803*** | ***660*** | ***186*** | ***1,649*** |  |  |  |
| **35-9011** | Dining Room and Cafeteria Attendants and Bartender Helpers | 2,488 | 2,633 | 145 | 5.83% | 250 | 216 | 72 | 538 | NFE | None | STOJT |
| **35-9021** | Dishwashers | 2,903 | 3,025 | 122 | 4.20% | 265 | 238 | 61 | 564 | NFE | None | STOJT |
| **35-9031** | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop | 1,641 | 1,718 | 77 | 4.69% | 228 | 176 | 38 | 442 | NFE | None | STOJT |
| **35-9099** | Food Preparation and Serving Related Workers, All Other | 385 | 413 | 28 | 7.27% | 59 | 32 | 14 | 105 | NFE | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **37-0000** | **BUILDING AND GROUNDS CLEANING AND MAINTENANCE OCCUPATIONS** | **44,858** | **45,264** | **406** | **0.91%** | **2,824** | **3,267** | **203** | **6,294** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***37-1000*** | ***Supervisors of Building and Grounds Cleaning and Maintenance Workers*** | ***4,007*** | ***4,077*** | ***70*** | ***1.75%*** | ***174*** | ***268*** | ***35*** | ***477*** |  |  |  |
| **37-1011** | First-Line Supervisors of Housekeeping and Janitorial Workers | 2,208 | 2,239 | 31 | 1.40% | 111 | 143 | 16 | 270 | HS | <5 | None |
| **37-1012** | First-Line Supervisors of Landscaping,  Lawn Service, and Groundskeeping Workers | 1,799 | 1,838 | 39 | 2.17% | 63 | 126 | 20 | 209 | HS | <5 | None |
| ***37-2000*** | ***Building Cleaning and Pest Control Workers*** | ***31,865*** | ***31,989*** | ***124*** | ***0.39%*** | ***2,228*** | ***2,232*** | ***62*** | ***4,522*** |  |  |  |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 17,123 | 17,432 | 309 | 1.80% | 1,200 | 1,212 | 154 | 2,566 | NFE | None | STOJT |
| **37-2012** | Maids and Housekeeping Cleaners | 10,474 | 10,275 | -199 | -1.90% | 781 | 675 | -100 | 1,356 | NFE | None | STOJT |
| ***37-3000*** | ***Grounds Maintenance Workers*** | ***8,986*** | ***9,198*** | ***212*** | ***2.36%*** | ***421*** | ***766*** | ***106*** | ***1,293*** |  |  |  |
| **37-3011** | Landscaping and Groundskeeping Workers | 8,028 | 8,224 | 196 | 2.44% | 388 | 670 | 98 | 1,156 | NFE | None | STOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **37-3012** | Pesticide Handlers, Sprayers, and  Applicators, Vegetation | 327 | 336 | 9 | 2.75% | 10 | 32 | 4 | 46 | HS | None | MTOJT |
| **37-3013** | Tree Trimmers and Pruners | 554 | 561 | 7 | 1.26% | 20 | 56 | 4 | 80 | HS | None | STOJT |
| **37-3019** | Grounds Maintenance Workers, All Other | 77 | 77 | 0 | 0.00% | 2 | 8 | 0 | 10 | NFE | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **39-0000** | **PERSONAL CARE AND SERVICE OCCUPATIONS** | **27,077** | **27,882** | **805** | **2.97%** | **1,942** | **2,806** | **402** | **5,150** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***39-1000*** | ***Supervisors of Personal Care and Service Workers*** | ***1,394*** | ***1,470*** | ***76*** | ***5.45%*** | ***68*** | ***106*** | ***38*** | ***212*** |  |  |  |
| **39-1022** | First-line Supervisors of Personal Service Workers | 831 | 872 | 41 | 4.93% | 40 | 63 | 20 | 123 | HS | <5 | None |
| ***39-2000*** | ***Animal Care and Service Workers*** | ***4,756*** | ***5,047*** | ***291*** | ***6.12%*** | ***318*** | ***544*** | ***146*** | ***1,008*** |  |  |  |
| **39-2011** | Animal Trainers | 1,310 | 1,334 | 24 | 1.83% | 70 | 131 | 12 | 213 | HS | None | MTOJT |
| **39-2021** | Animal Caretakers | 3,446 | 3,713 | 267 | 7.75% | 248 | 412 | 134 | 794 | HS | None | STOJT |
| ***39-3000*** | ***Entertainment Attendants and Related Workers*** | ***2,367*** | ***2,539*** | ***172*** | ***7.27%*** | ***268*** | ***354*** | ***86*** | ***708*** |  |  |  |
| **39-3021** | Motion Picture Projectionists | 41 | 44 | 3 | 7.32% | 5 | 6 | 2 | 13 | NFE | None | STOJT |
| **39-3031** | Ushers, Lobby Attendants, and Ticket Takers | 473 | 513 | 40 | 8.46% | 70 | 69 | 20 | 159 | NFE | None | STOJT |
| **39-3091** | Amusement and Recreation Attendants | 1,438 | 1,518 | 80 | 5.56% | 166 | 226 | 40 | 432 | NFE | None | STOJT |
| **39-3093** | Locker Room, Coatroom, and Dressing Room Attendants | 55 | 57 | 2 | 3.64% | 6 | 8 | 1 | 15 | HS | None | STOJT |
| ***39-4000*** | ***Funeral Service Workers*** | ***761*** | ***782*** | ***21*** | ***2.76%*** | ***46*** | ***70*** | ***10*** | ***126*** |  |  |  |
| **39-4021** | Funeral Attendants | 247 | 253 | 6 | 2.43% | 16 | 24 | 3 | 43 | HS | None | STOJT |
| **39-4031** | Morticians, Undertakers, and Funeral Arrangers | 412 | 425 | 13 | 3.16% | 24 | 36 | 6 | 66 | AD | None | LTOJT |
| ***39-5000*** | ***Personal Appearance Workers*** | ***3,134*** | ***3,289*** | ***155*** | ***4.95%*** | ***195*** | ***244*** | ***78*** | ***517*** |  |  |  |
| **39-5011** | Barbers | 72 | 74 | 2 | 2.78% | 3 | 6 | 1 | 10 | PS | None | None |
| **39-5012** | Hairdressers, Hairstylists, and Cosmetologists | 2,519 | 2,636 | 117 | 4.64% | 160 | 196 | 58 | 414 | PS | None | None |
| **39-5092** | Manicurists and Pedicurists | 221 | 238 | 17 | 7.69% | 12 | 16 | 8 | 36 | PS | None | None |
| **39-5093** | Shampooers | 113 | 119 | 6 | 5.31% | 8 | 9 | 3 | 20 | NFE | None | STOJT |
| **39-5094** | Skincare Specialists | 209 | 222 | 13 | 6.22% | 12 | 18 | 6 | 36 | PS | None | None |
| ***39-6000*** | ***Baggage Porters, Bellhops, and Concierges*** | ***64*** | ***66*** | ***2*** | ***3.13%*** | ***4*** | ***6*** | ***1*** | ***11*** |  |  |  |
| **39-6011** | Baggage Porters and Bellhops | 32 | 33 | 1 | 3.13% | 2 | 3 | 0 | 5 | HS | None | STOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **39-6012** | Concierges | 32 | 33 | 1 | 3.13% | 2 | 3 | 0 | 5 | HS | None | MTOJT |
| ***39-7000*** | ***Tour and Travel Guides*** | ***224*** | ***234*** | ***10*** | ***4.46%*** | ***18*** | ***26*** | ***5*** | ***49*** |  |  |  |
| **39-7010** | Tour and Travel Guides | 224 | 234 | 10 | 4.46% | 18 | 26 | 5 | 49 | HS | None | MTOJT |
| ***39-9000*** | ***Other Personal Care and Service Workers*** | ***14,377*** | ***14,455*** | ***78*** | ***0.54%*** | ***1,024*** | ***1,455*** | ***39*** | ***2,518*** |  |  |  |
| **39-9011** | Childcare Workers | 10,250 | 10,188 | -62 | -0.60% | 748 | 961 | -31 | 1,678 | HS | None | STOJT |
| **39-9031** | Exercise Trainers and Group Fitness Instructors | 1,465 | 1,572 | 107 | 7.30% | 96 | 174 | 54 | 324 | HS | None | STOJT |
| **39-9032** | Recreation Workers | 1,357 | 1,370 | 13 | 0.96% | 100 | 174 | 6 | 280 | HS | None | STOJT |
| **39-9041** | Residential Advisors | 980 | 999 | 19 | 1.94% | 56 | 114 | 10 | 180 | HS | None | STOJT |
| **39-9099** | Personal Care and Service Workers, All Other | 325 | 326 | 1 | 0.31% | 24 | 32 | 0 | 56 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **41-0000** | **SALES AND RELATED OCCUPATIONS** | **136,496** | **140,732** | **4,236** | **3.10%** | **8,166** | **10,428** | **2,118** | **20,712** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***41-1000*** | ***Supervisors of Sales Workers*** | ***21,418*** | ***21,825*** | ***407*** | ***1.90%*** | ***870*** | ***1,437*** | ***204*** | ***2,511*** |  |  |  |
| **41-1011** | First-Line Supervisors of Retail Sales Workers | 17,857 | 18,201 | 344 | 1.93% | 746 | 1,232 | 172 | 2,150 | HS | <5 | None |
| **41-1012** | First-Line Supervisors of Non-Retail Sales Workers | 3,561 | 3,624 | 63 | 1.77% | 124 | 206 | 32 | 362 | HS | <5 | None |
| ***41-2000*** | ***Retail Sales Workers*** | ***73,014*** | ***74,875*** | ***1,861*** | ***2.55%*** | ***5,654*** | ***6,246*** | ***930*** | ***12,830*** |  |  |  |
| **41-2011** | Cashiers | 30,515 | 31,033 | 518 | 1.70% | 2,956 | 2,848 | 259 | 6,063 | NFE | None | STOJT |
| **41-2021** | Counter and Rental Clerks | 4,778 | 4,922 | 144 | 3.01% | 283 | 310 | 72 | 665 | NFE | None | STOJT |
| **41-2031** | Retail Salespersons | 34,308 | 35,401 | 1,093 | 3.19% | 2,240 | 2,824 | 546 | 5,610 | NFE | None | STOJT |
| ***41-3000*** | ***Sales Representatives, Services*** | ***18,403*** | ***19,616*** | ***1,213*** | ***6.59%*** | ***661*** | ***1,196*** | ***606*** | ***2,463*** |  |  |  |
| **41-3011** | Advertising Sales Agents | 884 | 846 | -38 | -4.30% | 32 | 72 | -19 | 85 | HS | None | MTOJT |
| **41-3021** | Insurance Sales Agents | 9,272 | 10,343 | 1,071 | 11.55% | 390 | 508 | 536 | 1,434 | HS | None | MTOJT |
| **41-3031** | Securities, Commodities, and Financial Services Sales Agents | 1,922 | 1,992 | 70 | 3.64% | 54 | 113 | 35 | 202 | BD | None | MTOJT |
| **41-3041** | Travel Agents | 130 | 129 | -1 | -0.77% | 8 | 8 | 0 | 16 | HS | None | MTOJT |
| **41-3091** | Sales Representatives of Services, Except Advertising, Insurance, Financial  Services, and Travel | 6,195 | 6,306 | 111 | 1.79% | 177 | 495 | 56 | 728 | HS | None | MTOJT |
| ***41-4000*** | ***Sales Representatives, Wholesale and Manufacturing*** | ***15,466*** | ***16,028*** | ***562*** | ***3.63%*** | ***541*** | ***1,041*** | ***281*** | ***1,863*** |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **41-4011** | Sales Representatives, Wholesale and  Manufacturing, Technical and Scientific Products | 2,134 | 2,214 | 80 | 3.75% | 74 | 144 | 40 | 258 | BD | None | MTOJT |
| **41-4012** | Sales Representatives, Wholesale and  Manufacturing, Except Technical and Scientific Products | 13,332 | 13,814 | 482 | 3.62% | 466 | 898 | 241 | 1,605 | HS | None | MTOJT |
| ***41-9000*** | ***Other Sales and Related Workers*** | ***8,195*** | ***8,388*** | ***193*** | ***2.36%*** | ***441*** | ***508*** | ***96*** | ***1,045*** |  |  |  |
| **41-9021** | Real Estate Brokers | 177 | 183 | 6 | 3.39% | 9 | 8 | 3 | 20 | HS | <5 | None |
| **41-9022** | Real Estate Sales Agents | 3,879 | 4,029 | 150 | 3.87% | 194 | 160 | 75 | 429 | HS | None | MTOJT |
| **41-9031** | Sales Engineers | 79 | 85 | 6 | 7.59% | 2 | 6 | 3 | 11 | BD | None | MTOJT |
| **41-9041** | Telemarketers | 736 | 698 | -38 | -5.16% | 38 | 68 | -19 | 87 | NFE | None | STOJT |
| **41-9099** | Sales and Related Workers, All Other | 3,136 | 3,204 | 68 | 2.17% | 176 | 254 | 34 | 464 | HS | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **43-0000** | **OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS** | **165,744** | **168,396** | **2,652** | **1.60%** | **8,978** | **11,182** | **1,326** | **21,486** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***43-1000*** | ***Supervisors of Office and Administrative Support Workers*** | ***15,162*** | ***15,390*** | ***228*** | ***1.50%*** | ***666*** | ***980*** | ***114*** | ***1,760*** |  |  |  |
| **43-1011** | First-Line Supervisors of Office and Administrative Support Workers | 15,162 | 15,390 | 228 | 1.50% | 666 | 980 | 114 | 1,760 | HS | <5 | None |
| ***43-2000*** | ***Communications Equipment Operators*** | ***366*** | ***349*** | ***-17*** | ***-4.64%*** | ***20*** | ***23*** | ***-8*** | ***35*** |  |  |  |
| **43-2011** | Switchboard Operators, Including Answering Service | 337 | 321 | -16 | -4.75% | 19 | 20 | -8 | 31 | HS | None | STOJT |
| ***43-3000*** | ***Financial Clerks*** | ***24,577*** | ***24,868*** | ***291*** | ***1.18%*** | ***1,409*** | ***1,501*** | ***146*** | ***3,056*** |  |  |  |
| **43-3011** | Bill and Account Collectors | 1,651 | 1,634 | -17 | -1.03% | 76 | 114 | -8 | 182 | HS | None | MTOJT |
| **43-3021** | Billing and Posting Clerks | 3,478 | 3,536 | 58 | 1.67% | 169 | 231 | 29 | 429 | HS | None | MTOJT |
| **43-3031** | Bookkeeping, Accounting, and Auditing Clerks | 12,840 | 13,033 | 193 | 1.50% | 866 | 725 | 96 | 1,687 | SC | None | MTOJT |
| **43-3051** | Payroll and Timekeeping Clerks | 1,118 | 1,108 | -10 | -0.89% | 56 | 68 | -5 | 119 | HS | None | MTOJT |
| **43-3061** | Procurement Clerks | 712 | 716 | 4 | 0.56% | 22 | 50 | 2 | 74 | HS | None | MTOJT |
| **43-3071** | Tellers | 4,545 | 4,589 | 44 | 0.97% | 210 | 296 | 22 | 528 | HS | None | STOJT |
| ***43-4000*** | ***Information and Record Clerks*** | ***49,426*** | ***50,109*** | ***683*** | ***1.38%*** | ***2,793*** | ***3,906*** | ***342*** | ***7,041*** |  |  |  |
| **43-4031** | Court, Municipal, and License Clerks | 1,743 | 1,711 | -32 | -1.84% | 96 | 100 | -16 | 180 | HS | None | LTOJT |
| **43-4041** | Credit Authorizers, Checkers, and Clerks | 116 | 117 | 1 | 0.86% | 5 | 7 | 0 | 12 | HS | None | MTOJT |
| **43-4051** | Customer Service Representatives | 20,072 | 20,407 | 335 | 1.67% | 1,116 | 1,728 | 168 | 3,012 | HS | None | STOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **43-4061** | Eligibility Interviewers, Government  Programs | 1,636 | 1,633 | -3 | -0.18% | 70 | 90 | -2 | 158 | HS | None | MTOJT |
| **43-4071** | File Clerks | 520 | 512 | -8 | -1.54% | 31 | 34 | -4 | 61 | HS | None | STOJT |
| **43-4081** | Hotel, Motel, and Resort Desk Clerks | 2,655 | 2,707 | 52 | 1.96% | 184 | 295 | 26 | 505 | HS | None | STOJT |
| **43-4111** | Interviewers, Except Eligibility and Loan | 2,637 | 2,599 | -38 | -1.44% | 147 | 196 | -19 | 324 | HS | None | STOJT |
| **43-4121** | Library Assistants, Clerical | 397 | 391 | -6 | -1.51% | 40 | 26 | -3 | 63 | HS | None | STOJT |
| **43-4131** | Loan Interviewers and Clerks | 2,587 | 2,687 | 100 | 3.87% | 90 | 162 | 50 | 302 | HS | None | STOJT |
| **43-4141** | New Accounts Clerks | 674 | 680 | 6 | 0.89% | 24 | 52 | 3 | 79 | HS | None | MTOJT |
| **43-4151** | Order Clerks | 420 | 421 | 1 | 0.24% | 20 | 29 | 0 | 49 | SC | None | STOJT |
| **43-4161** | Human Resources Assistants, Except Payroll and Timekeeping | 647 | 657 | 10 | 1.55% | 32 | 42 | 5 | 79 | AD | None | None |
| **43-4171** | Receptionists and Information Clerks | 13,819 | 14,079 | 260 | 1.88% | 866 | 1,038 | 130 | 2,034 | HS | None | STOJT |
| **43-4181** | Reservation and Transportation Ticket Agents and Travel Clerks | 200 | 202 | 2 | 1.00% | 10 | 14 | 1 | 25 | HS | None | STOJT |
| **43-4199** | Information and Record Clerks, All Other | 1,213 | 1,217 | 4 | 0.33% | 59 | 84 | 2 | 145 | HS | None | STOJT |
| ***43-5000*** | ***Material Recording, Scheduling, Dispatching, and Distributing Workers*** | ***20,710*** | ***20,997*** | ***287*** | ***1.39%*** | ***880*** | ***1,258*** | ***144*** | ***2,282*** |  |  |  |
| **43-5011** | Cargo and Freight Agents | 1,336 | 1,383 | 47 | 3.52% | 60 | 93 | 24 | 177 | HS | None | STOJT |
| **43-5021** | Couriers and Messengers | 1,044 | 1,063 | 19 | 1.82% | 50 | 63 | 10 | 123 | HS | None | STOJT |
| **43-5031** | Public Safety Telecommunicators | 1,233 | 1,218 | -15 | -1.22% | 52 | 76 | -8 | 120 | HS | None | MTOJT |
| **43-5032** | Dispatchers, Except Police, Fire, and Ambulance | 1,541 | 1,565 | 24 | 1.56% | 64 | 94 | 12 | 170 | HS | None | MTOJT |
| **43-5041** | Meter Readers, Utilities | 380 | 384 | 4 | 1.05% | 14 | 18 | 2 | 34 | HS | None | STOJT |
| **43-5051** | Postal Service Clerks | 1,051 | 1,048 | -3 | -0.29% | 54 | 42 | -2 | 94 | HS | None | STOJT |
| **43-5052** | Postal Service Mail Carriers | 3,161 | 3,151 | -10 | -0.32% | 122 | 122 | -5 | 239 | HS | None | STOJT |
| **43-5053** | Postal Service Mail Sorters, Processors, and Processing Machine Operators | 588 | 580 | -8 | -1.36% | 34 | 22 | -4 | 52 | HS | None | STOJT |
| **43-5061** | Production, Planning, and Expediting Clerks | 2,747 | 2,843 | 96 | 3.49% | 110 | 200 | 48 | 358 | HS | None | MTOJT |
| **43-5071** | Shipping, Receiving, and Inventory Clerks | 6,837 | 6,946 | 109 | 1.59% | 286 | 472 | 54 | 812 | HS | None | STOJT |
| **43-5111** | Weighers, Measurers, Checkers, and Samplers, Recordkeeping | 792 | 816 | 24 | 3.03% | 36 | 56 | 12 | 104 | HS | None | STOJT |
| ***43-6000*** | ***Secretaries and Administrative Assistants*** | ***17,710*** | ***17,619*** | ***-91*** | ***-0.51%*** | ***1,000*** | ***1,076*** | ***-46*** | ***2,030*** |  |  |  |
| **43-6011** | Executive Secretaries and Executive Administrative Assistants | 2,397 | 2,402 | 5 | 0.21% | 114 | 162 | 2 | 278 | HS | <5 | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **43-6012** | Legal Secretaries and Administrative  Assistants | 1,021 | 1,010 | -11 | -1.08% | 58 | 67 | -6 | 119 | HS | None | MTOJT |
| **43-6013** | Medical Secretaries and Administrative Assistants | 1,216 | 1,245 | 29 | 2.38% | 70 | 72 | 14 | 156 | HS | None | MTOJT |
| **43-6014** | Secretaries and Administrative Assistants, Except Legal, Medical, and  Executive | 13,076 | 12,962 | -114 | -0.87% | 756 | 776 | -57 | 1,475 | HS | None | STOJT |
| ***43-9000*** | ***Other Office and Administrative Support Workers*** | ***37,793*** | ***39,064*** | ***1,271*** | ***3.36%*** | ***2,210*** | ***2,440*** | ***636*** | ***5,286*** |  |  |  |
| **43-9021** | Data Entry Keyers | 1,243 | 1,208 | -35 | -2.82% | 65 | 87 | -18 | 134 | HS | None | STOJT |
| **43-9022** | Word Processors and Typists | 60 | 55 | -5 | -8.33% | 4 | 3 | -2 | 5 | HS | None | STOJT |
| **43-9041** | Insurance Claims and Policy Processing Clerks | 7,655 | 8,552 | 897 | 11.72% | 333 | 501 | 448 | 1,282 | HS | None | MTOJT |
| **43-9051** | Mail Clerks and Mail Machine Operators, Except Postal Service | 405 | 399 | -6 | -1.48% | 26 | 26 | -3 | 49 | HS | None | STOJT |
| **43-9061** | Office Clerks, General | 26,865 | 27,306 | 441 | 1.64% | 1,708 | 1,704 | 220 | 3,632 | HS | None | STOJT |
| **43-9071** | Office Machine Operators, Except Computer | 152 | 152 | 0 | 0.00% | 10 | 12 | 0 | 22 | HS | None | STOJT |
| **43-9081** | Proofreaders and Copy Markers | 67 | 67 | 0 | 0.00% | 5 | 4 | 0 | 9 | BD | None | None |
| **43-9199** | Office and Administrative Support Workers, All Other | 1,321 | 1,302 | -19 | -1.44% | 56 | 98 | -10 | 144 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **45-0000** | **FARMING, FISHING, AND FORESTRY OCCUPATIONS** | **16,860** | **16,524** | **-336** | **-1.99%** | **848** | **1,796** | **-168** | **2,476** |  |  |  |
| ***45-2000*** | ***Agricultural Workers*** | ***14,089*** | ***13,771*** | ***-318*** | ***-2.26%*** | ***720*** | ***1,496*** | ***-159*** | ***2,057*** |  |  |  |
| **45-2011** | Agricultural Inspectors | 141 | 142 | 1 | 0.71% | 6 | 19 | 0 | 25 | BD | None | MTOJT |
| **45-2041** | Graders and Sorters, Agricultural Products | 1,904 | 1,892 | -12 | -0.63% | 95 | 190 | -6 | 279 | NFE | None | STOJT |
| **45-2091** | Agricultural Equipment Operators | 974 | 986 | 12 | 1.23% | 51 | 106 | 6 | 163 | NFE | None | MTOJT |
| **45-2092** | Farmworkers and Laborers, Crop, Nursery, and Greenhouse | 6,006 | 5,904 | -102 | -1.70% | 310 | 644 | -51 | 903 | NFE | None | STOJT |
| **45-2093** | Farmworkers, Farm, Ranch, and Aquacultural Animals | 4,785 | 4,574 | -211 | -4.41% | 244 | 506 | -106 | 644 | NFE | None | STOJT |
| ***45-4000*** | ***Forest, Conservation, and Logging Workers*** | ***2,012*** | ***1,999*** | ***-13*** | ***-0.65%*** | ***93*** | ***226*** | ***-6*** | ***313*** |  |  |  |
| **45-4021** | Fallers | 157 | 152 | -5 | -3.18% | 7 | 17 | -2 | 22 | HS | None | MTOJT |
| **45-4022** | Logging Equipment Operators | 1,406 | 1,389 | -17 | -1.21% | 62 | 156 | -8 | 210 | HS | None | MTOJT |
| **45-4023** | Log Graders and Scalers | 128 | 129 | 1 | 0.78% | 6 | 14 | 0 | 20 | HS | None | MTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **47-0000** | **CONSTRUCTION AND EXTRACTION**  **OCCUPATIONS** | **52,889** | **54,558** | **1,669** | **3.16%** | **1,875** | **3,426** | **834** | **6,135** |  |  |  |
| ***47-1000*** | ***Supervisors of Construction and Extraction Workers*** | ***5,984*** | ***6,135*** | ***151*** | ***2.52%*** | ***198*** | ***366*** | ***76*** | ***640*** |  |  |  |
| **47-1011** | First-Line Supervisors of Construction Trades and Extraction Workers | 5,984 | 6,135 | 151 | 2.52% | 198 | 366 | 76 | 640 | HS | 5+ | None |
| ***47-2000*** | ***Construction Trades Workers*** | ***38,729*** | ***40,185*** | ***1,456*** | ***3.76%*** | ***1,342*** | ***2,500*** | ***728*** | ***4,570*** |  |  |  |
| **47-2011** | Boilermakers | 31 | 32 | 1 | 3.23% | 1 | 2 | 0 | 3 | HS | None | App. |
| **47-2021** | Brickmasons and Blockmasons | 381 | 389 | 8 | 2.10% | 15 | 22 | 4 | 41 | HS | None | App. |
| **47-2031** | Carpenters | 3,974 | 4,110 | 136 | 3.42% | 140 | 236 | 68 | 444 | HS | None | App. |
| **47-2041** | Carpet Installers | 160 | 160 | 0 | 0.00% | 5 | 8 | 0 | 13 | NFE | None | STOJT |
| **47-2042** | Floor Layers, Except Carpet, Wood, and Hard Tiles | 278 | 294 | 16 | 5.76% | 10 | 16 | 8 | 34 | NFE | None | MTOJT |
| **47-2044** | Tile and Stone Setters | 223 | 232 | 9 | 4.04% | 8 | 12 | 4 | 24 | NFE | None | LTOJT |
| **47-2051** | Cement Masons and Concrete Finishers | 1,265 | 1,268 | 3 | 0.24% | 33 | 79 | 2 | 114 | NFE | None | MTOJT |
| **47-2061** | Construction Laborers | 11,193 | 11,546 | 353 | 3.15% | 404 | 705 | 176 | 1,285 | NFE | None | STOJT |
| **47-2073** | Operating Engineers and Other Construction Equipment Operators | 4,687 | 4,740 | 53 | 1.13% | 168 | 312 | 26 | 506 | HS | None | MTOJT |
| **47-2081** | Drywall and Ceiling Tile Installers | 436 | 454 | 18 | 4.13% | 12 | 24 | 9 | 45 | NFE | None | MTOJT |
| **47-2111** | Electricians | 7,253 | 7,783 | 530 | 7.31% | 256 | 508 | 265 | 1,029 | HS | None | App. |
| **47-2121** | Glaziers | 416 | 428 | 12 | 2.88% | 14 | 31 | 6 | 51 | HS | None | App. |
| **47-2131** | Insulation Workers, Floor, Ceiling, and Wall | 313 | 329 | 16 | 5.11% | 9 | 19 | 8 | 36 | NFE | None | STOJT |
| **47-2132** | Insulation Workers, Mechanical | 130 | 138 | 8 | 6.15% | 4 | 8 | 4 | 16 | HS | None | App. |
| **47-2141** | Painters, Construction and Maintenance | 1,282 | 1,317 | 35 | 2.73% | 44 | 66 | 18 | 128 | NFE | None | MTOJT |
| **47-2142** | Paperhangers | 36 | 36 | 0 | 0.00% | 1 | 2 | 0 | 3 | NFE | None | LTOJT |
| **47-2151** | Pipelayers | 374 | 377 | 3 | 0.80% | 11 | 26 | 2 | 39 | NFE | None | STOJT |
| **47-2152** | Plumbers, Pipefitters, and Steamfitters | 3,509 | 3,689 | 180 | 5.13% | 120 | 243 | 90 | 453 | HS | None | App. |
| **47-2171** | Reinforcing Iron and Rebar Workers | 94 | 96 | 2 | 2.13% | 4 | 6 | 1 | 11 | HS | None | App. |
| **47-2181** | Roofers | 958 | 973 | 15 | 1.57% | 28 | 60 | 8 | 96 | NFE | None | MTOJT |
| **47-2211** | Sheet Metal Workers | 894 | 938 | 44 | 4.92% | 28 | 60 | 22 | 110 | HS | None | App. |
| **47-2221** | Structural Iron and Steel Workers | 389 | 395 | 6 | 1.54% | 12 | 28 | 3 | 43 | HS | None | App. |
| ***47-3000*** | ***Helpers, Construction Trades*** | ***1,314*** | ***1,361*** | ***47*** | ***3.58%*** | ***45*** | ***115*** | ***24*** | ***184*** |  |  |  |
| **47-3011** | Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble  Setters | 113 | 112 | -1 | -0.88% | 4 | 10 | 0 | 14 | NFE | None | STOJT |
| **47-3012** | Helpers--Carpenters | 85 | 90 | 5 | 5.88% | 3 | 8 | 2 | 13 | NFE | None | STOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **47-3013** | Helpers--Electricians | 379 | 400 | 21 | 5.54% | 13 | 34 | 10 | 57 | HS | None | STOJT |
| **47-3014** | Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons | 65 | 67 | 2 | 3.08% | 2 | 6 | 1 | 9 | NFE | None | STOJT |
| **47-3015** | Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters | 210 | 224 | 14 | 6.67% | 8 | 19 | 7 | 34 | HS | None | STOJT |
| **47-3016** | Helpers--Roofers | 63 | 64 | 1 | 1.59% | 2 | 6 | 0 | 8 | NFE | None | STOJT |
| **47-3019** | Helpers, Construction Trades, All Other | 399 | 404 | 5 | 1.25% | 14 | 34 | 2 | 50 | NFE | None | STOJT |
| ***47-4000*** | ***Other Construction and Related Workers*** | ***5,062*** | ***5,060*** | ***-2*** | ***-0.04%*** | ***238*** | ***306*** | ***-1*** | ***543*** |  |  |  |
| **47-4011** | Construction and Building Inspectors | 1,103 | 1,095 | -8 | -0.73% | 70 | 63 | -4 | 129 | HS | 5+ | MTOJT |
| **47-4021** | Elevator and Escalator Installers and Repairers | 68 | 73 | 5 | 7.35% | 2 | 4 | 2 | 8 | HS | None | App. |
| **47-4031** | Fence Erectors | 208 | 209 | 1 | 0.48% | 6 | 14 | 0 | 20 | NFE | None | MTOJT |
| **47-4041** | Hazardous Materials Removal Workers | 491 | 512 | 21 | 4.28% | 24 | 40 | 10 | 74 | HS | None | MTOJT |
| **47-4051** | Highway Maintenance Workers | 2,583 | 2,571 | -12 | -0.46% | 118 | 146 | -6 | 258 | HS | None | MTOJT |
| **47-4061** | Rail-Track Laying and Maintenance Equipment Operators | 316 | 296 | -20 | -6.33% | 6 | 16 | -10 | 12 | HS | None | MTOJT |
| **47-4071** | Septic Tank Servicers and Sewer Pipe Cleaners | 59 | 64 | 5 | 8.47% | 2 | 4 | 2 | 8 | HS | None | MTOJT |
| **47-4090** | Miscellaneous Construction and Related Workers | 234 | 240 | 6 | 2.56% | 10 | 16 | 3 | 29 | HS | None | MTOJT |
| ***47-5000*** | ***Extraction Workers*** | ***1,800*** | ***1,817*** | ***17*** | ***0.94%*** | ***52*** | ***140*** | ***8*** | ***200*** |  |  |  |
| **47-5013** | Service Unit Operators, Oil and Gas | 289 | 287 | -2 | -0.69% | 7 | 26 | -1 | 32 | NFE | None | MTOJT |
| **47-5022** | Excavating and Loading Machine and Dragline Operators, Surface Mining | 551 | 554 | 3 | 0.54% | 18 | 40 | 2 | 60 | HS | <5 | MTOJT |
| **47-5023** | Earth Drillers, Except Oil and Gas | 106 | 110 | 4 | 3.77% | 4 | 8 | 2 | 14 | HS | <5 | LTOJT |
| **47-5041** | Continuous Mining Machine Operators | 103 | 105 | 2 | 1.94% | 4 | 9 | 1 | 14 | NFE | None | MTOJT |
| **47-5051** | Rock Splitters, Quarry | 39 | 40 | 1 | 2.56% | 1 | 4 | 0 | 5 | NFE | None | STOJT |
| **47-5071** | Roustabouts, Oil and Gas | 283 | 286 | 3 | 1.06% | 7 | 26 | 2 | 35 | NFE | None | MTOJT |
| **47-5081** | Helpers--Extraction Workers | 74 | 77 | 3 | 4.05% | 2 | 6 | 2 | 10 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **49-0000** | **INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS** | **61,604** | **63,518** | **1,914** | **3.11%** | **2,278** | **3,733** | **957** | **6,968** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***49-1000*** | ***Supervisors of Installation, Maintenance, and Repair Workers*** | ***6,269*** | ***6,408*** | ***139*** | ***2.22%*** | ***238*** | ***352*** | ***70*** | ***660*** |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **49-1011** | First-Line Supervisors of Mechanics,  Installers, and Repairers | 6,269 | 6,408 | 139 | 2.22% | 238 | 352 | 70 | 660 | HS | <5 | None |
| ***49-2000*** | ***Electrical and Electronic Equipment Mechanics, Installers, and Repairers*** | ***4,109*** | ***4,124*** | ***15*** | ***0.37%*** | ***146*** | ***290*** | ***8*** | ***444*** |  |  |  |
| **49-2011** | Computer, Automated Teller, and Office Machine Repairers | 539 | 532 | -7 | -1.30% | 18 | 39 | -4 | 53 | SC | None | STOJT |
| **49-2021** | Radio, Cellular, and Tower Equipment Installers and Repairers | 105 | 111 | 6 | 5.71% | 4 | 8 | 3 | 15 | AD | None | MTOJT |
| **49-2022** | Telecommunications Equipment  Installers and Repairers, Except Line Installers | 1,734 | 1,742 | 8 | 0.46% | 66 | 131 | 4 | 201 | PS | None | MTOJT |
| **49-2091** | Avionics Technicians | 45 | 46 | 1 | 2.22% | 2 | 2 | 0 | 4 | AD | None | None |
| **49-2092** | Electric Motor, Power Tool, and Related Repairers | 176 | 180 | 4 | 2.27% | 5 | 10 | 2 | 17 | HS | <5 | MTOJT |
| **49-2094** | Electrical and Electronics Repairers, Commercial and Industrial Equipment | 380 | 388 | 8 | 2.11% | 12 | 24 | 4 | 40 | PS | None | LTOJT |
| **49-2095** | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay | 198 | 195 | -3 | -1.52% | 6 | 12 | -2 | 16 | PS | <5 | MTOJT |
| **49-2097** | Audiovisual Equipment Installers and Repairers | 281 | 275 | -6 | -2.14% | 10 | 20 | -3 | 27 | PS | None | STOJT |
| **49-2098** | Security and Fire Alarm Systems Installers | 505 | 520 | 15 | 2.97% | 18 | 36 | 8 | 62 | HS | None | MTOJT |
| ***49-3000*** | ***Vehicle and Mobile Equipment Mechanics, Installers, and Repairers*** | ***17,439*** | ***17,850*** | ***411*** | ***2.36%*** | ***600*** | ***1,098*** | ***206*** | ***1,904*** |  |  |  |
| **49-3011** | Aircraft Mechanics and Service Technicians | 509 | 523 | 14 | 2.75% | 15 | 26 | 7 | 48 | PS | None | None |
| **49-3021** | Automotive Body and Related Repairers | 1,351 | 1,389 | 38 | 2.81% | 53 | 78 | 19 | 150 | HS | None | LTOJT |
| **49-3022** | Automotive Glass Installers and Repairers | 137 | 143 | 6 | 4.38% | 4 | 10 | 3 | 17 | HS | None | MTOJT |
| **49-3023** | Automotive Service Technicians and Mechanics | 5,120 | 5,198 | 78 | 1.52% | 178 | 327 | 39 | 544 | PS | None | STOJT |
| **49-3031** | Bus and Truck Mechanics and Diesel Engine Specialists | 4,876 | 4,982 | 106 | 2.17% | 164 | 284 | 53 | 501 | HS | None | LTOJT |
| **49-3041** | Farm Equipment Mechanics and Service Technicians | 1,205 | 1,238 | 33 | 2.74% | 40 | 77 | 16 | 133 | HS | None | LTOJT |
| **49-3042** | Mobile Heavy Equipment Mechanics, Except Engines | 1,433 | 1,486 | 53 | 3.70% | 47 | 92 | 26 | 165 | HS | None | LTOJT |
| **49-3043** | Rail Car Repairers | 542 | 529 | -13 | -2.40% | 18 | 34 | -6 | 46 | HS | None | LTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **49-3051** | Motorboat Mechanics and Service  Technicians | 272 | 285 | 13 | 4.78% | 11 | 18 | 6 | 35 | HS | None | LTOJT |
| **49-3052** | Motorcycle Mechanics | 118 | 123 | 5 | 4.24% | 5 | 8 | 2 | 15 | PS | None | STOJT |
| **49-3053** | Outdoor Power Equipment and Other Small Engine Mechanics | 314 | 323 | 9 | 2.87% | 12 | 20 | 4 | 36 | HS | None | MTOJT |
| **49-3091** | Bicycle Repairers | 128 | 134 | 6 | 4.69% | 4 | 10 | 3 | 17 | HS | None | MTOJT |
| **49-3092** | Recreational Vehicle Service Technicians | 166 | 176 | 10 | 6.02% | 6 | 14 | 5 | 25 | HS | None | LTOJT |
| **49-3093** | Tire Repairers and Changers | 1,268 | 1,321 | 53 | 4.18% | 44 | 100 | 26 | 170 | HS | None | STOJT |
| ***49-9000*** | ***Other Installation, Maintenance, and Repair Occupations*** | ***33,787*** | ***35,136*** | ***1,349*** | ***3.99%*** | ***1,293*** | ***1,994*** | ***674*** | ***3,961*** |  |  |  |
| **49-9011** | Mechanical Door Repairers | 371 | 397 | 26 | 7.01% | 11 | 19 | 13 | 43 | HS | None | MTOJT |
| **49-9012** | Control and Valve Installers and Repairers, Except Mechanical Door | 584 | 575 | -9 | -1.54% | 16 | 29 | -4 | 41 | HS | None | MTOJT |
| **49-9021** | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 4,083 | 4,373 | 290 | 7.10% | 129 | 270 | 145 | 544 | PS | None | LTOJT |
| **49-9031** | Home Appliance Repairers | 299 | 291 | -8 | -2.68% | 12 | 18 | -4 | 26 | HS | None | MTOJT |
| **49-9041** | Industrial Machinery Mechanics | 7,117 | 7,534 | 417 | 5.86% | 260 | 378 | 208 | 846 | HS | None | LTOJT |
| **49-9043** | Maintenance Workers, Machinery | 620 | 636 | 16 | 2.58% | 30 | 36 | 8 | 74 | HS | None | LTOJT |
| **49-9044** | Millwrights | 878 | 906 | 28 | 3.19% | 30 | 48 | 14 | 92 | HS | None | App. |
| **49-9051** | Electrical Power-Line Installers and Repairers | 1,664 | 1,694 | 30 | 1.80% | 38 | 100 | 15 | 153 | HS | None | LTOJT |
| **49-9052** | Telecommunications Line Installers and Repairers | 1,401 | 1,472 | 71 | 5.07% | 43 | 109 | 36 | 188 | HS | None | LTOJT |
| **49-9061** | Camera and Photographic Equipment Repairers | 29 | 27 | -2 | -6.90% | 1 | 2 | -1 | 2 | HS | None | LTOJT |
| **49-9062** | Medical Equipment Repairers | 581 | 603 | 22 | 3.79% | 26 | 36 | 11 | 73 | AD | None | MTOJT |
| **49-9063** | Musical Instrument Repairers and Tuners | 32 | 32 | 0 | 0.00% | 2 | 2 | 0 | 4 | HS | None | App. |
| **49-9069** | Precision Instrument and Equipment Repairers, All Other | 117 | 117 | 0 | 0.00% | 5 | 7 | 0 | 12 | HS | None | LTOJT |
| **49-9071** | Maintenance and Repair Workers, General | 12,315 | 12,658 | 343 | 2.79% | 512 | 694 | 172 | 1,378 | HS | None | MTOJT |
| **49-9091** | Coin, Vending, and Amusement Machine Servicers and Repairers | 312 | 315 | 3 | 0.96% | 16 | 22 | 2 | 40 | HS | None | STOJT |
| **49-9094** | Locksmiths and Safe Repairers | 68 | 67 | -1 | -1.47% | 3 | 4 | 0 | 7 | HS | None | LTOJT |
| **49-9096** | Riggers | 147 | 154 | 7 | 4.76% | 8 | 10 | 4 | 22 | HS | None | MTOJT |
| **49-9098** | Helpers--Installation, Maintenance, and Repair Workers | 1,757 | 1,843 | 86 | 4.89% | 100 | 116 | 43 | 259 | HS | None | STOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **49-9099** | Installation, Maintenance, and Repair  Workers, All Other | 1,220 | 1,255 | 35 | 2.87% | 44 | 82 | 18 | 144 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **51-0000** | **PRODUCTION OCCUPATIONS** | **115,441** | **117,569** | **2,128** | **1.84%** | **5,074** | **8,442** | **1,064** | **14,580** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***51-1000*** | ***Supervisors of Production Workers*** | ***10,079*** | ***10,372*** | ***293*** | ***2.91%*** | ***370*** | ***687*** | ***146*** | ***1,203*** |  |  |  |
| **51-1011** | First-Line Supervisors of Production and Operating Workers | 10,079 | 10,372 | 293 | 2.91% | 370 | 687 | 146 | 1,203 | HS | <5 | None |
| ***51-2000*** | ***Assemblers and Fabricators*** | ***20,023*** | ***20,289*** | ***266*** | ***1.33%*** | ***884*** | ***1,429*** | ***133*** | ***2,446*** |  |  |  |
| **51-2021** | Coil Winders, Tapers, and Finishers | 390 | 375 | -15 | -3.85% | 18 | 25 | -8 | 35 | HS | None | MTOJT |
| **51-2028** | Electrical, Electronic, and  Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers | 2,363 | 2,441 | 78 | 3.30% | 116 | 158 | 39 | 313 | HS | None | MTOJT |
| **51-2041** | Structural Metal Fabricators and Fitters | 1,215 | 1,220 | 5 | 0.41% | 34 | 86 | 2 | 122 | HS | None | MTOJT |
| **51-2051** | Fiberglass Laminators and Fabricators | 374 | 392 | 18 | 4.81% | 16 | 28 | 9 | 53 | HS | None | MTOJT |
| **51-2090** | Miscellaneous Assemblers and Fabricators | 15,092 | 15,273 | 181 | 1.20% | 664 | 1,090 | 90 | 1,844 | HS | None | MTOJT |
| ***51-3000*** | ***Food Processing Workers*** | ***13,927*** | ***14,240*** | ***313*** | ***2.25%*** | ***715*** | ***1,096*** | ***156*** | ***1,967*** |  |  |  |
| **51-3011** | Bakers | 791 | 826 | 35 | 4.42% | 52 | 62 | 18 | 132 | NFE | None | MTOJT |
| **51-3021** | Butchers and Meat Cutters | 924 | 933 | 9 | 0.97% | 45 | 72 | 4 | 121 | NFE | None | LTOJT |
| **51-3022** | Meat, Poultry, and Fish Cutters and Trimmers | 7,172 | 7,314 | 142 | 1.98% | 349 | 561 | 71 | 981 | NFE | None | STOJT |
| **51-3023** | Slaughterers and Meat Packers | 1,382 | 1,395 | 13 | 0.94% | 67 | 108 | 6 | 181 | NFE | None | STOJT |
| **51-3091** | Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders | 42 | 43 | 1 | 2.38% | 2 | 4 | 0 | 6 | NFE | None | MTOJT |
| **51-3092** | Food Batchmakers | 2,098 | 2,188 | 90 | 4.29% | 126 | 168 | 45 | 339 | HS | None | MTOJT |
| **51-3093** | Food Cooking Machine Operators and Tenders | 355 | 361 | 6 | 1.69% | 24 | 42 | 3 | 69 | HS | None | MTOJT |
| **51-3099** | Food Processing Workers, All Other | 1,163 | 1,180 | 17 | 1.46% | 50 | 79 | 8 | 137 | NFE | None | MTOJT |
| ***51-4000*** | ***Metal Workers and Plastic Workers*** | ***20,666*** | ***21,337*** | ***671*** | ***3.25%*** | ***762*** | ***1,492*** | ***336*** | ***2,590*** |  |  |  |
| **51-4021** | Extruding and Drawing Machine Setters,  Operators, and Tenders, Metal and Plastic | 1,299 | 1,351 | 52 | 4.00% | 56 | 88 | 26 | 170 | HS | None | MTOJT |
| **51-4022** | Forging Machine Setters, Operators, and Tenders, Metal and Plastic | 158 | 155 | -3 | -1.90% | 6 | 10 | -2 | 14 | HS | None | MTOJT |
| **51-4023** | Rolling Machine Setters, Operators, and Tenders, Metal and Plastic | 869 | 912 | 43 | 4.95% | 38 | 58 | 22 | 118 | HS | None | MTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-4031** | Cutting, Punching, and Press Machine  Setters, Operators, and Tenders, Metal and Plastic | 2,502 | 2,559 | 57 | 2.28% | 93 | 172 | 28 | 293 | HS | None | MTOJT |
| **51-4033** | Grinding, Lapping, Polishing, and Buffing  Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 370 | 373 | 3 | 0.81% | 19 | 28 | 2 | 49 | HS | None | MTOJT |
| **51-4034** | Lathe and Turning Machine Tool Setters,  Operators, and Tenders, Metal and Plastic | 118 | 125 | 7 | 5.93% | 8 | 8 | 4 | 20 | HS | None | MTOJT |
| **51-4035** | Milling and Planing Machine Setters,  Operators, and Tenders, Metal and Plastic | 164 | 165 | 1 | 0.61% | 12 | 11 | 0 | 23 | HS | None | MTOJT |
| **51-4041** | Machinists | 2,524 | 2,628 | 104 | 4.12% | 98 | 176 | 52 | 326 | HS | None | LTOJT |
| **51-4051** | Metal-Refining Furnace Operators and Tenders | 232 | 248 | 16 | 6.90% | 6 | 19 | 8 | 33 | HS | None | MTOJT |
| **51-4052** | Pourers and Casters, Metal | 100 | 102 | 2 | 2.00% | 2 | 8 | 1 | 11 | HS | None | MTOJT |
| **51-4071** | Foundry Mold and Coremakers | 90 | 88 | -2 | -2.22% | 3 | 6 | -1 | 8 | HS | None | MTOJT |
| **51-4072** | Molding, Coremaking, and Casting Machine Setters, Operators, and  Tenders, Metal and Plastic | 2,433 | 2,485 | 52 | 2.14% | 79 | 172 | 26 | 277 | HS | None | MTOJT |
| **51-4081** | Multiple Machine Tool Setters, Operators, and Tenders, Metal and  Plastic | 2,020 | 2,117 | 97 | 4.80% | 78 | 140 | 48 | 266 | HS | None | MTOJT |
| **51-4111** | Tool and Die Makers | 510 | 522 | 12 | 2.35% | 25 | 32 | 6 | 63 | PS | None | LTOJT |
| **51-4121** | Welders, Cutters, Solderers, and Brazers | 5,919 | 6,140 | 221 | 3.73% | 189 | 467 | 110 | 766 | HS | None | MTOJT |
| **51-4122** | Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders | 579 | 574 | -5 | -0.86% | 18 | 44 | -2 | 60 | HS | None | MTOJT |
| **51-4191** | Heat Treating Equipment Setters,  Operators, and Tenders, Metal and Plastic | 206 | 208 | 2 | 0.97% | 8 | 14 | 1 | 23 | HS | None | MTOJT |
| **51-4193** | Plating Machine Setters, Operators, and Tenders, Metal and Plastic | 186 | 194 | 8 | 4.30% | 7 | 13 | 4 | 24 | HS | None | MTOJT |
| **51-4194** | Tool Grinders, Filers, and Sharpeners | 196 | 196 | 0 | 0.00% | 8 | 13 | 0 | 21 | HS | None | MTOJT |
| **51-4199** | Metal Workers and Plastic Workers, All Other | 160 | 161 | 1 | 0.63% | 6 | 11 | 0 | 17 | HS | None | MTOJT |
| ***51-5100*** | ***Printing Workers*** | ***2,239*** | ***2,219*** | ***-20*** | ***-0.89%*** | ***98*** | ***148*** | ***-10*** | ***236*** |  |  |  |
| **51-5111** | Prepress Technicians and Workers | 158 | 152 | -6 | -3.80% | 8 | 12 | -3 | 17 | PS | None | None |
| **51-5112** | Printing Press Operators | 1,703 | 1,695 | -8 | -0.47% | 73 | 114 | -4 | 183 | HS | None | MTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-5113** | Print Binding and Finishing Workers | 378 | 372 | -6 | -1.59% | 18 | 21 | -3 | 36 | HS | None | MTOJT |
| ***51-6000*** | ***Textile, Apparel, and Furnishings Workers*** | ***3,579*** | ***3,505*** | ***-74*** | ***-2.07%*** | ***250*** | ***220*** | ***-37*** | ***433*** |  |  |  |
| **51-6011** | Laundry and Dry-Cleaning Workers | 1,587 | 1,557 | -30 | -1.89% | 120 | 103 | -15 | 208 | NFE | None | STOJT |
| **51-6021** | Pressers, Textile, Garment, and Related Materials | 193 | 181 | -12 | -6.22% | 12 | 10 | -6 | 16 | NFE | None | STOJT |
| **51-6031** | Sewing Machine Operators | 882 | 908 | 26 | 2.95% | 62 | 48 | 13 | 123 | NFE | None | STOJT |
| **51-6052** | Tailors, Dressmakers, and Custom Sewers | 93 | 93 | 0 | 0.00% | 9 | 4 | 0 | 13 | NFE | None | MTOJT |
| **51-6062** | Textile Cutting Machine Setters, Operators, and Tenders | 100 | 93 | -7 | -7.00% | 6 | 7 | -4 | 9 | HS | None | MTOJT |
| **51-6093** | Upholsterers | 133 | 134 | 1 | 0.75% | 6 | 8 | 0 | 14 | HS | None | MTOJT |
| **51-6099** | Textile, Apparel, and Furnishings Workers, All Other | 42 | 45 | 3 | 7.14% | 2 | 2 | 2 | 6 | HS | None | STOJT |
| ***51-7000*** | ***Woodworkers*** | ***5,392*** | ***5,561*** | ***169*** | ***3.13%*** | ***226*** | ***368*** | ***84*** | ***678*** |  |  |  |
| **51-7011** | Cabinetmakers and Bench Carpenters | 1,056 | 1,060 | 4 | 0.38% | 46 | 66 | 2 | 114 | HS | None | MTOJT |
| **51-7021** | Furniture Finishers | 85 | 82 | -3 | -3.53% | 6 | 6 | -2 | 10 | HS | None | STOJT |
| **51-7041** | Sawing Machine Setters, Operators, and Tenders, Wood | 2,205 | 2,288 | 83 | 3.76% | 98 | 161 | 42 | 301 | HS | None | MTOJT |
| **51-7042** | Woodworking Machine Setters, Operators, and Tenders, Except Sawing | 1,679 | 1,748 | 69 | 4.11% | 59 | 111 | 34 | 204 | HS | None | MTOJT |
| **51-7099** | Woodworkers, All Other | 367 | 383 | 16 | 4.36% | 16 | 24 | 8 | 48 | HS | None | MTOJT |
| ***51-8000*** | ***Plant and System Operators*** | ***3,690*** | ***3,622*** | ***-68*** | ***-1.84%*** | ***124*** | ***242*** | ***-34*** | ***332*** |  |  |  |
| **51-8012** | Power Distributors and Dispatchers | 276 | 271 | -5 | -1.81% | 8 | 18 | -2 | 24 | HS | None | LTOJT |
| **51-8013** | Power Plant Operators | 198 | 190 | -8 | -4.04% | 6 | 12 | -4 | 14 | HS | None | LTOJT |
| **51-8031** | Water and Wastewater Treatment Plant and System Operators | 2,003 | 1,960 | -43 | -2.15% | 73 | 118 | -22 | 169 | HS | None | LTOJT |
| **51-8091** | Chemical Plant and System Operators | 233 | 234 | 1 | 0.43% | 6 | 18 | 0 | 24 | HS | None | MTOJT |
| **51-8092** | Gas Plant Operators | 157 | 148 | -9 | -5.73% | 4 | 12 | -4 | 12 | HS | None | LTOJT |
| **51-8093** | Petroleum Pump System Operators, Refinery Operators, and Gaugers | 366 | 370 | 4 | 1.09% | 10 | 29 | 2 | 41 | HS | None | MTOJT |
| **51-8099** | Plant and System Operators, All Other | 278 | 275 | -3 | -1.08% | 8 | 22 | -2 | 28 | HS | None | MTOJT |
| ***51-9000*** | ***Other Production Occupations*** | ***35,846*** | ***36,424*** | ***578*** | ***1.61%*** | ***1,645*** | ***2,760*** | ***289*** | ***4,694*** |  |  |  |
| **51-9011** | Chemical Equipment Operators and Tenders | 1,048 | 1,052 | 4 | 0.38% | 32 | 78 | 2 | 112 | HS | None | MTOJT |
| **51-9012** | Separating, Filtering, Clarifying,  Precipitating, and Still Machine Setters, Operators, and Tenders | 548 | 569 | 21 | 3.83% | 16 | 41 | 10 | 67 | HS | None | MTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-9021** | Crushing, Grinding, and Polishing  Machine Setters, Operators, and Tenders | 690 | 713 | 23 | 3.33% | 26 | 52 | 12 | 90 | HS | None | MTOJT |
| **51-9022** | Grinding and Polishing Workers, Hand | 129 | 130 | 1 | 0.78% | 5 | 10 | 0 | 15 | NFE | None | MTOJT |
| **51-9023** | Mixing and Blending Machine Setters, Operators, and Tenders | 1,523 | 1,560 | 37 | 2.43% | 57 | 114 | 18 | 189 | HS | None | MTOJT |
| **51-9031** | Cutters and Trimmers, Hand | 81 | 73 | -8 | -9.88% | 4 | 6 | -4 | 6 | NFE | None | STOJT |
| **51-9032** | Cutting and Slicing Machine Setters, Operators, and Tenders | 877 | 884 | 7 | 0.80% | 48 | 65 | 4 | 117 | HS | None | MTOJT |
| **51-9041** | Extruding, Forming, Pressing, and Compacting Machine Setters, Operators,  and Tenders | 587 | 607 | 20 | 3.41% | 20 | 40 | 10 | 70 | HS | None | MTOJT |
| **51-9051** | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders | 267 | 273 | 6 | 2.25% | 12 | 18 | 3 | 33 | HS | None | MTOJT |
| **51-9061** | Inspectors, Testers, Sorters, Samplers, and Weighers | 6,026 | 6,154 | 128 | 2.12% | 264 | 488 | 64 | 816 | HS | None | MTOJT |
| **51-9071** | Jewelers and Precious Stone and Metal Workers | 155 | 158 | 3 | 1.94% | 10 | 10 | 2 | 22 | HS | None | LTOJT |
| **51-9081** | Dental Laboratory Technicians | 833 | 840 | 7 | 0.84% | 44 | 67 | 4 | 115 | HS | None | MTOJT |
| **51-9082** | Medical Appliance Technicians | 90 | 93 | 3 | 3.33% | 5 | 8 | 2 | 15 | HS | None | MTOJT |
| **51-9083** | Ophthalmic Laboratory Technicians | 68 | 70 | 2 | 2.94% | 4 | 6 | 1 | 11 | HS | None | MTOJT |
| **51-9111** | Packaging and Filling Machine Operators and Tenders | 4,598 | 4,733 | 135 | 2.94% | 216 | 317 | 68 | 601 | HS | None | MTOJT |
| **51-9123** | Painting, Coating, and Decorating Workers | 48 | 50 | 2 | 4.17% | 2 | 4 | 1 | 7 | NFE | None | MTOJT |
| **51-9124** | Coating, Painting, and Spraying Machine Setters, Operators, and Tenders | 1,923 | 1,991 | 68 | 3.54% | 59 | 136 | 34 | 229 | HS | None | MTOJT |
| **51-9161** | Computer Numerically Controlled Tool Operators | 1,424 | 1,416 | -8 | -0.56% | 46 | 102 | -4 | 144 | HS | None | MTOJT |
| **51-9162** | Computer Numerically Controlled Tool Programmers | 153 | 163 | 10 | 6.54% | 5 | 12 | 5 | 22 | PS | None | MTOJT |
| **51-9191** | Adhesive Bonding Machine Operators and Tenders | 209 | 213 | 4 | 1.91% | 12 | 14 | 2 | 28 | HS | None | MTOJT |
| **51-9192** | Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders | 87 | 91 | 4 | 4.60% | 4 | 6 | 2 | 12 | HS | None | MTOJT |
| **51-9193** | Cooling and Freezing Equipment Operators and Tenders | 665 | 692 | 27 | 4.06% | 28 | 50 | 14 | 92 | HS | None | MTOJT |
| **51-9194** | Etchers and Engravers | 70 | 79 | 9 | 12.86% | 4 | 4 | 4 | 12 | HS | None | MTOJT |

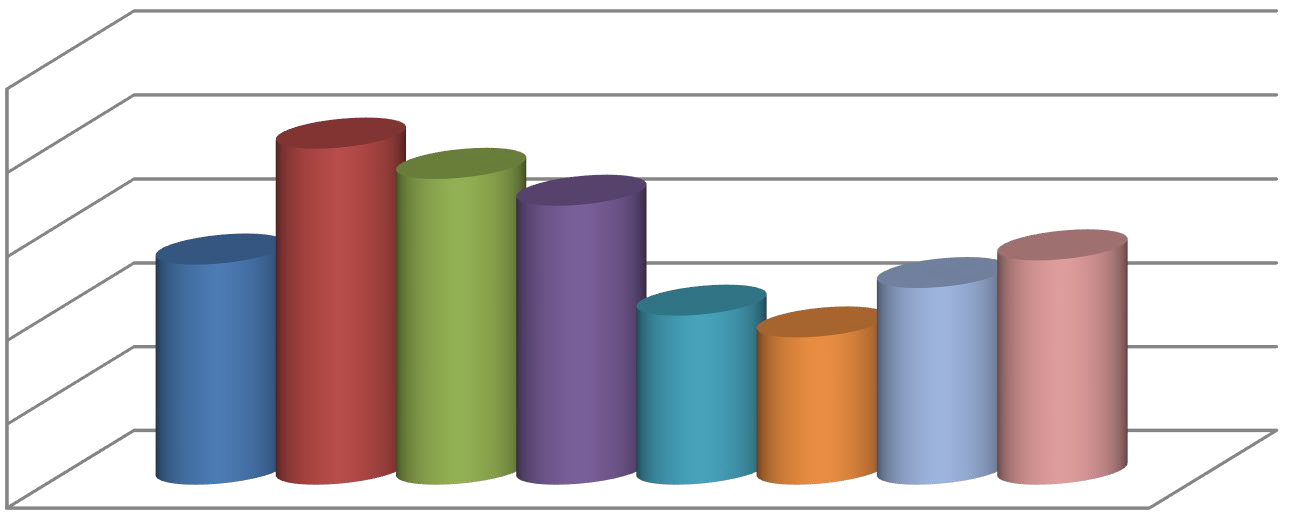
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-9195** | Molders, Shapers, and Casters, Except  Metal and Plastic | 277 | 290 | 13 | 4.69% | 12 | 19 | 6 | 37 | HS | None | LTOJT |
| **51-9196** | Paper Goods Machine Setters, Operators, and Tenders | 2,661 | 2,563 | -98 | -3.68% | 138 | 182 | -49 | 271 | HS | None | MTOJT |
| **51-9198** | Helpers--Production Workers | 6,419 | 6,450 | 31 | 0.48% | 402 | 581 | 16 | 999 | HS | None | STOJT |
| **51-9199** | Production Workers, All Other | 3,856 | 3,960 | 104 | 2.70% | 159 | 288 | 52 | 499 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **53-0000** | **TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS** | **149,288** | **153,805** | **4,517** | **3.03%** | **7,768** | **12,505** | **2,258** | **22,531** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***53-1000*** | ***Supervisors of Transportation and Material Moving Workers*** | ***6,677*** | ***6,895*** | ***218*** | ***3.26%*** | ***244*** | ***557*** | ***109*** | ***910*** |  |  |  |
| ***53-2000*** | ***Air Transportation Workers*** | ***934*** | ***971*** | ***37*** | ***3.96%*** | ***40*** | ***77*** | ***18*** | ***135*** |  |  |  |
| **53-2011** | Airline Pilots, Copilots, and Flight Engineers | 312 | 330 | 18 | 5.77% | 14 | 26 | 9 | 49 | BD | <5 | MTOJT |
| **53-2012** | Commercial Pilots | 462 | 477 | 15 | 3.25% | 20 | 39 | 8 | 67 | PS | None | MTOJT |
| **53-2021** | Air Traffic Controllers | 117 | 119 | 2 | 1.71% | 4 | 8 | 1 | 13 | AD | None | LTOJT |
| ***53-3000*** | ***Motor Vehicle Operators*** | ***60,232*** | ***62,061*** | ***1,829*** | ***3.04%*** | ***3,218*** | ***4,176*** | ***914*** | ***8,308*** |  |  |  |
| **53-3031** | Driver/Sales Workers | 4,601 | 4,849 | 248 | 5.39% | 220 | 334 | 124 | 678 | HS | None | STOJT |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 37,527 | 38,453 | 926 | 2.47% | 1,766 | 2,688 | 463 | 4,917 | PS | None | STOJT |
| **53-3033** | Light Truck Drivers | 10,170 | 10,602 | 432 | 4.25% | 482 | 734 | 216 | 1,432 | HS | None | STOJT |
| **53-3051** | Bus Drivers, School | 4,657 | 4,728 | 71 | 1.52% | 500 | 232 | 36 | 768 | HS | None | STOJT |
| **53-3052** | Bus Drivers, Transit and Intercity | 518 | 517 | -1 | -0.19% | 41 | 28 | 0 | 69 | HS | None | MTOJT |
| **53-3053** | Shuttle Drivers and Chauffeurs | 2,446 | 2,586 | 140 | 5.72% | 186 | 142 | 70 | 398 | NFE | None | STOJT |
| **53-3054** | Taxi Drivers | 182 | 195 | 13 | 7.14% | 10 | 10 | 6 | 26 | NFE | None | STOJT |
| **53-3099** | Motor Vehicle Operators, All Other | 131 | 131 | 0 | 0.00% | 13 | 8 | 0 | 21 | NFE | None | STOJT |
| **53-5011** | Sailors and Marine Oilers | 38 | 32 | -6 | -15.79% | 1 | 3 | -3 | 1 | NFE | None | MTOJT |
| ***53-6000*** | ***Other Transportation Workers*** | ***2,334*** | ***2,379*** | ***45*** | ***1.93%*** | ***123*** | ***231*** | ***22*** | ***376*** |  |  |  |
| **53-6021** | Parking Attendants | 300 | 307 | 7 | 2.33% | 16 | 28 | 4 | 48 | NFE | None | STOJT |
| **53-6031** | Automotive and Watercraft Service Attendants | 1,677 | 1,715 | 38 | 2.27% | 90 | 174 | 19 | 283 | NFE | None | STOJT |
| **53-6032** | Aircraft Service Attendants | 72 | 76 | 4 | 5.56% | 4 | 8 | 2 | 14 | HS | None | STOJT |
| **53-6051** | Transportation Inspectors | 172 | 169 | -3 | -1.74% | 6 | 12 | -2 | 16 | HS | None | MTOJT |
| ***53-7000*** | ***Material Moving Workers*** | ***76,982*** | ***79,538*** | ***2,556*** | ***3.32%*** | ***4,084*** | ***7,332*** | ***1,278*** | ***12,694*** |  |  |  |
| **53-7011** | Conveyor Operators and Tenders | 308 | 321 | 13 | 4.22% | 15 | 26 | 6 | 47 | NFE | None | STOJT |
| **53-7021** | Crane and Tower Operators | 551 | 582 | 31 | 5.63% | 16 | 44 | 16 | 76 | HS | <5 | MTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Recommended Education/Training** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **53-7051** | Industrial Truck and Tractor Operators | 11,246 | 11,645 | 399 | 3.55% | 383 | 912 | 200 | 1,495 | NFE | None | STOJT |
| **53-7061** | Cleaners of Vehicles and Equipment | 4,617 | 4,717 | 100 | 2.17% | 252 | 416 | 50 | 718 | NFE | None | STOJT |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 29,103 | 30,114 | 1,011 | 3.47% | 1,435 | 2,714 | 506 | 4,655 | NFE | None | STOJT |
| **53-7063** | Machine Feeders and Offbearers | 1,101 | 1,126 | 25 | 2.27% | 80 | 103 | 12 | 195 | NFE | None | STOJT |
| **53-7064** | Packers and Packagers, Hand | 5,738 | 5,827 | 89 | 1.55% | 365 | 526 | 44 | 935 | NFE | None | STOJT |
| **53-7065** | Stockers and Order Fillers | 21,735 | 22,589 | 854 | 3.93% | 1,420 | 2,355 | 427 | 4,202 | HS | None | STOJT |
| **53-7071** | Gas Compressor and Gas Pumping Station Operators | 121 | 117 | -4 | -3.31% | 4 | 10 | -2 | 12 | HS | None | MTOJT |
| **53-7073** | Wellhead Pumpers | 127 | 127 | 0 | 0.00% | 4 | 11 | 0 | 15 | HS | <5 | MTOJT |
| **53-7081** | Refuse and Recyclable Material Collectors | 1,990 | 2,021 | 31 | 1.56% | 94 | 186 | 16 | 296 | NFE | None | STOJT |
| **53-7121** | Tank Car, Truck, and Ship Loaders | 133 | 136 | 3 | 2.26% | 6 | 11 | 2 | 19 | NFE | None | STOJT |
| **53-7199** | Material Moving Workers, All Other | 142 | 146 | 4 | 2.82% | 7 | 12 | 2 | 21 | NFE | None | STOJT |

**2022-2024 Projections by Education Level**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Educational Level** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| Doctoral or Professional Degree | 27,879 | 28,612 | 733 | 2.63% | 830 | 646 | **365** | **1,841** |
| Master's Degree | 21,306 | 22,161 | 855 | 4.01% | 734 | 882 | **428** | **2,044** |
| Bachelor's Degree | 301,452 | 312,447 | 10,995 | 3.65% | 9,550 | 15,354 | **5,499** | **30,403** |
| Associate's Degree | 27,224 | 28,131 | 907 | 3.33% | 1,036 | 1,619 | 449 | 3,104 |
| Postsecondary Non-Degree Award | 107,688 | 109,865 | 2,177 | 2.02% | 5,005 | 7,244 | 1,089 | 13,338 |
| Some College, No Degree | 28,650 | 29,154 | 504 | 1.76% | 1,680 | 1,637 | 250 | 3,567 |
| High School Diploma or Equivalent | 613,020 | 627,418 | 14,398 | 2.35% | 30,554 | 42,419 | 7,202 | 80,175 |
| No Formal Educational Credential | 316,344 | 324,833 | 8,489 | 2.68% | 22,472 | 28,156 | 4,237 | 54,865 |

**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**

**Percent Growth by Education Level**

**5.00%**

**4.01%**

**4.00%**

**3.65% 3.33%**

**2.63% 2.35% 2.68%**

**3.00%**

**2.02%**

**1.76%**

**2.00%**

**1.00%**

**0.00%**

Occupations requiring a high school diploma are estimated to increase by 14,398 jobs between first quarter 2022 and first quarter 2024. Occupations requiring a Bachelor’s Degree are estimated to add 10,995 jobs. Job opportunities should be plenty for jobs not requiring a college education, with 135,040 annual job openings during the 2022-2024 projection period. At 4.01 percent, occupations requiring a Master’s Degree are growing the fastest. Occupations requiring a college degree are forecast to add 13,490 jobs into the Arkansas job market and have a combined 37,392 annual openings.

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

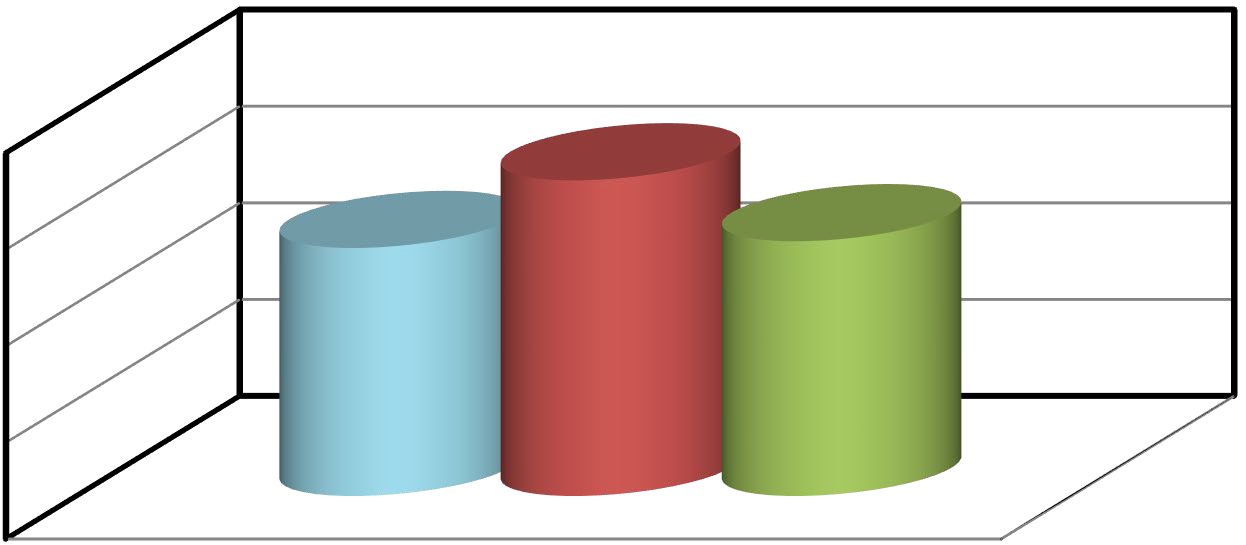
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments** | |
| **Code** | **Title** | **2022**  **Estimated** | **2024**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Work Experience** | **Job Training** |
| **Doctoral or Professional Degree** | | | | | | | | | | | |
| 23-1011 | Lawyers | 3,320 | 3,434 | 114 | 3.43% | 85 | 72 | 57 | 214 | None | None |
| 25-1042 | Biological Science Teachers, Postsecondary | 1,745 | 1,783 | 38 | 2.18% | 80 | 67 | 19 | 166 | None | None |
| 29-1123 | Physical Therapists | 1,986 | 2,090 | 104 | 5.24% | 50 | 40 | 52 | 142 | None | None |
| **Master's Degree** | | | | | | | | | | | |
| 29-1171 | Nurse Practitioners | 2,649 | 2,926 | 277 | 10.46% | 64 | 80 | 138 | 282 | None | None |
| 11-9032 | Education Administrators, Kindergarten through Secondary | 2,486 | 2,539 | 53 | 2.13% | 70 | 116 | 26 | 212 | 5 years or more | None |
| 21-1012 | Educational, Guidance, and Career Counselors and Advisors | 2,135 | 2,193 | 58 | 2.72% | 68 | 109 | 29 | 206 | None | None |
| **Bachelor's Degree** | | | | | | | | | | | |
| 11-1021 | General and Operations Managers | 29,660 | 30,969 | 1,309 | 4.41% | 696 | 1,931 | 654 | 3,281 | 5 years or more | None |
| 29-1141 | Registered Nurses | 26,595 | 26,981 | 386 | 1.45% | 859 | 665 | 193 | 1,717 | None | None |
| 21-2011 | Clergy | 15,413 | 15,412 | -1 | -0.01% | 647 | 788 | 0 | 1,435 | None | Moderate-Term OJT |
| **Associate's Degree** | | | | | | | | | | | |
| 25-2011 | Preschool Teachers, Except Special Education | 5,155 | 5,332 | 177 | 3.43% | 242 | 320 | 88 | 650 | None | None |
| 23-2011 | Paralegals and Legal Assistants | 2,875 | 3,035 | 160 | 5.57% | 123 | 196 | 80 | 399 | None | None |
| 31-2021 | Physical Therapist Assistants | 1,585 | 1,693 | 108 | 6.81% | 78 | 151 | 54 | 283 | None | None |
| **Postsecondary Non-Degree Award/Some College, No Degree** | | | | | | | | | | | |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 37,527 | 38,453 | 926 | 2.47% | 1,766 | 2,688 | 463 | 4,917 | None | Short-Term OJT |
| 31-1131 | Nursing Assistants | 17,342 | 17,217 | -125 | -0.72% | 1,131 | 1,462 | -62 | 2,531 | None | None |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | 12,840 | 13,033 | 193 | 1.50% | 866 | 725 | 96 | 1,687 | None | Moderate-term OJT |
| **High School Diploma or Equivalent** | | | | | | | | | | | |
| 11-9013 | Farmers, Ranchers, and Other Agricultural Managers | 43,648 | 43,730 | 82 | 0.19% | 3,049 | 1,548 | 41 | 4,638 | 5 years or more | None |
| 53-7065 | Stockers and Order Fillers | 21,735 | 22,589 | 854 | 3.93% | 1,420 | 2,355 | 427 | 4,202 | None | Short-Term OJT |
| 43-9061 | Office Clerks, General | 26,865 | 27,306 | 441 | 1.64% | 1,708 | 1,704 | 220 | 3,632 | None | Short-Term OJT |
| **No Formal Educational Credential** | | | | | | | | | | | |
| 35-3023 | Fast Food and Counter Workers | 36,015 | 37,436 | 1,421 | 3.95% | 3,982 | 3,957 | 710 | 8,649 | None | Short-Term OJT |
| 41-2011 | Cashiers | 30,515 | 31,033 | 518 | 1.70% | 2,956 | 2,848 | 259 | 6,063 | None | Short-Term OJT |
| 41-2031 | Retail Salespersons | 34,308 | 35,401 | 1,093 | 3.19% | 2,240 | 2,824 | 546 | 5,610 | 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.

# 2022-2024 Projections by Amount of Work Experience

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Work Experience** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| **5 years or more** | 108,393 | 111,174 | 2,781 | 2.57% | 4,783 | 5,347 | 1,393 | 11,523 |
| **Less than 5 years** | 159,729 | 164,946 | 5,217 | 3.27% | 6,413 | 10,504 | 2,610 | 19,527 |
| **None** | 1,175,441 | 1,206,501 | 31,060 | 2.64% | 60,665 | 82,106 | 15,516 | 158,287 |

**Work Experience Outlook**



**Percent Growth by Amount of Work**

**Experience**

**4.00%**

**3.00%**

**2.00%**

**2.57%**

**3.27%**

**2.64%**

**1.00%**

**0.00%**

**5 or More Years**

**Less than 5 Years**

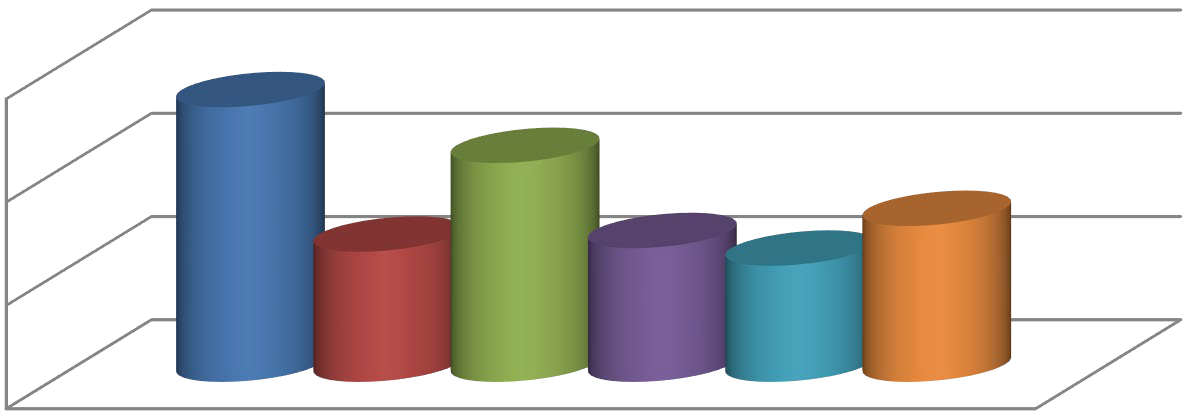
**None**

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.

# 2022-2024 Projections by Type of On-the-Job Training

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Work Experience** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| Apprenticeship | 18,051 | 19,011 | 960 | 5.32% | 628 | 1,198 | 479 | 2,305 |
| Internship/residency | 14,427 | 14,791 | 364 | 2.52% | 401 | 364 | 181 | 946 |
| Long-term on-the-job training | 50,801 | 52,957 | 2,156 | 4.24% | 1,815 | 3,002 | 1,075 | 5,892 |
| Moderate-term on-the-job training | 279,322 | 286,569 | 7,247 | 2.59% | 11,711 | 18,446 | 3,624 | 33,781 |
| Short-term on-the-job training | 556,614 | 569,120 | 12,506 | 2.25% | 36,518 | 46,551 | 6,248 | 89,317 |
| None | 524,348 | 540,173 | 15,825 | 3.02% | 20,788 | 28,396 | 7,912 | 57,096 |

**Training Outlook**



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

**Training**

**5.32%**

**6.00%**

**4.24%**

**4.00%**

**2.52%**

**2.59%**

**2.25%**

**3.02%**

**2.00%**

**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.

# 2022-2024 Projections by Education Training Path

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education** | **Work Experience** | **Job Training** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Growth** | **Percent Growth** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| **Doctoral or Professional Degree** | **5 Years or More** | **Short-Term OJT** | 442 | 439 | -3 | -0.68% | 12 | 9 | -1 | 20 |
| **Doctoral or Professional Degree** | **Less than 5 Years** | **None** | 1,872 | 1,968 | 96 | 5.13% | 87 | 72 | 47 | 206 |
| **Doctoral or Professional Degree** | **None** | **Internship/Residency** | 7,380 | 7,493 | 113 | 1.53% | 147 | 81 | 55 | 283 |
| **Doctoral or Professional Degree** | **None** | **None** | 18,185 | 18,712 | 527 | 2.90% | 584 | 484 | 264 | 1,332 |
| **Master's Degree** | **5 Years or More** | **None** | 3,720 | 3,796 | 76 | 2.04% | 131 | 168 | 38 | 337 |
| **Master's Degree** | **Less than 5 Years** | **None** | 1,269 | 1,306 | 37 | 2.92% | 36 | 60 | 18 | 114 |
| **Master's Degree** | **None** | **Internship/Residency** | 4,848 | 5,019 | 171 | 3.53% | 180 | 201 | 86 | 467 |
| **Master's Degree** | **None** | **None** | 11,469 | 12,040 | 571 | 4.98% | 387 | 453 | 286 | 1,126 |
| **Bachelor's Degree** | **5 Years or More** | **None** | 51,738 | 54,155 | 2,417 | 4.67% | 1,274 | 3,066 | 1,209 | 5,549 |
| **Bachelor's Degree** | **Less than 5 Years** | **Moderate-Term OJT** | 3,561 | 3,694 | 133 | 3.73% | 97 | 198 | 67 | 362 |
| **Bachelor's Degree** | **Less than 5 Years** | **None** | 44,483 | 46,238 | 1,755 | 3.95% | 1,414 | 2,337 | 877 | 4,628 |
| **Bachelor's Degree** | **Less than 5 Years** | **Short-Term OJT** | 174 | 179 | 5 | 2.87% | 5 | 10 | 2 | 17 |
| **Bachelor's Degree** | **None** | **Internship/Residency** | 2,199 | 2,279 | 80 | 3.64% | 74 | 82 | 40 | 196 |
| **Bachelor's Degree** | **None** | **Long-Term OJT** | 3,780 | 3,902 | 122 | 3.23% | 137 | 172 | 60 | 369 |
| **Bachelor's Degree** | **None** | **Moderate-Term OJT** | 33,676 | 34,333 | 657 | 1.95% | 1,221 | 1,860 | 328 | 3,409 |
| **Bachelor's Degree** | **None** | **None** | 160,825 | 166,663 | 5,838 | 3.63% | 5,299 | 7,573 | 2,922 | 15,794 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education** | **Work Experience** | **Job Training** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Growth** | **Percent Growth** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual**  **Openings** |
| **Bachelor's Degree** | **None** | **Short-Term OJT** | 1,016 | 1,004 | -12 | -1.18% | 29 | 56 | -6 | 79 |
| **Associate's Degree** | **Less than 5 Years** | **None** | 863 | 882 | 19 | 2.20% | 28 | 33 | 10 | 71 |
| **Associate's Degree** | **None** | **Long-Term OJT** | 617 | 633 | 16 | 2.59% | 34 | 52 | 7 | 93 |
| **Associate's Degree** | **None** | **Moderate-Term OJT** | 3,776 | 3,926 | 150 | 3.97% | 101 | 288 | 75 | 464 |
| **Associate's Degree** | **None** | **None** | 21,583 | 22,311 | 728 | 3.37% | 863 | 1,220 | 360 | 2,443 |
| **Associate's Degree** | **None** | **Short-Term OJT** | 385 | 379 | -6 | -1.56% | 10 | 26 | -3 | 33 |
| **Postsecondary Non- Degree Award** | **Less than 5 Years** | **Moderate-Term OJT** | 1,021 | 1,006 | -15 | -1.47% | 32 | 44 | -8 | 68 |
| **Postsecondary Non- Degree Award** | **Less than 5 Years** | **None** | 1,267 | 1,300 | 33 | 2.60% | 30 | 49 | 17 | 96 |
| **Postsecondary Non- Degree Award** | **Less than 5 Years** | **Short-Term OJT** | 570 | 604 | 34 | 5.96% | 22 | 28 | 17 | 67 |
| **Postsecondary Non- Degree Award** | **None** | **Long-Term OJT** | 6,926 | 7,208 | 282 | 4.07% | 218 | 431 | 141 | 790 |
| **Postsecondary Non- Degree Award** | **None** | **Moderate-Term OJT** | 2,444 | 2,481 | 37 | 1.51% | 93 | 187 | 19 | 299 |
| **Postsecondary Non-**  **Degree Award** | **None** | **None** | 52,016 | 52,814 | 798 | 1.53% | 2,633 | 3,441 | 398 | 6,472 |
| **Postsecondary Non- Degree Award** | **None** | **Short-Term OJT** | 43,420 | 44,428 | 1,008 | 2.32% | 1,976 | 3,063 | 505 | 5,544 |
| **Some College, No Degree** | **None** | **Moderate-Term OJT** | 16,355 | 16,635 | 280 | 1.71% | 950 | 915 | 140 | 2,005 |
| **Some College, No Degree** | **None** | **None** | 11,315 | 11,545 | 230 | 2.03% | 691 | 652 | 114 | 1,457 |
| **Some College, No Degree** | **None** | **Short-Term OJT** | 959 | 953 | -6 | -0.63% | 38 | 68 | -4 | 102 |
| **High School Diploma or Equivalent** | **5 Years or More** | **Moderate-Term OJT** | 1,103 | 1,095 | -8 | -0.73% | 70 | 63 | -4 | 129 |
| **High School Diploma or Equivalent** | **5 Years or More** | **None** | 51,362 | 51,661 | 299 | 0.58% | 3,295 | 2,040 | 151 | 5,486 |
| **High School Diploma or Equivalent** | **Less than 5 Years** | **Long-Term OJT** | 384 | 391 | 7 | 1.82% | 13 | 25 | 4 | 42 |
| **High School Diploma or Equivalent** | **Less than 5 Years** | **Moderate-Term OJT** | 5,103 | 5,061 | -42 | -0.82% | 147 | 282 | -20 | 409 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education** | **Work Experience** | **Job Training** | **2022**  **Estimated Employment** | **2024**  **Projected Employment** | **Numeric Growth** | **Percent Growth** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual**  **Openings** |
| **High School Diploma**  **or Equivalent** | **Less than**  **5 Years** | **None** | 84,014 | 86,026 | 2,012 | 2.39% | 3,556 | 6,038 | 1,007 | 10,601 |
| **High School Diploma or Equivalent** | **Less than 5 Years** | **Short-Term OJT** | 4,092 | 4,255 | 163 | 3.98% | 150 | 354 | 82 | 586 |
| **High School Diploma or Equivalent** | **None** | **Apprenticeship** | 18,051 | 19,011 | 960 | 5.32% | 628 | 1,198 | 479 | 2,305 |
| **High School Diploma or Equivalent** | **None** | **Long-Term OJT** | 36,686 | 38,372 | 1,686 | 4.60% | 1,285 | 2,157 | 843 | 4,285 |
| **High School Diploma or Equivalent** | **None** | **Moderate-Term OJT** | 189,282 | 194,094 | 4,812 | 2.54% | 7,699 | 12,771 | 2,407 | 22,877 |
| **High School Diploma or Equivalent** | **None** | **None** | 8,364 | 8,753 | 389 | 4.65% | 480 | 710 | 194 | 1,384 |
| **High School Diploma or Equivalent** | **None** | **Short-Term OJT** | 214,575 | 218,695 | 4,120 | 1.92% | 13,231 | 16,781 | 2,059 | 32,071 |
| **No Formal Educational Credential** | **Less than 5 Years** | **Moderate-Term OJT** | 11,013 | 11,994 | 981 | 8.91% | 794 | 972 | 490 | 2,256 |
| **No Formal**  **Educational Credential** | **None** | **Long-Term OJT** | 2,383 | 2,426 | 43 | 1.80% | 127 | 163 | 20 | 310 |
| **No Formal Educational Credential** | **None** | **Moderate-Term OJT** | 11,964 | 12,226 | 262 | 2.19% | 506 | 865 | 130 | 1,501 |
| **No Formal Educational Credential** | **None** | **Short-Term OJT** | 290,938 | 298,142 | 7,204 | 2.48% | 21,043 | 26,154 | 3,597 | 50,794 |

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. |
| MTOJT | 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. |

This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner.