2022-2032

**Arkansas-Statewide**

Long-Term Industry and Occupational Projections

**STATE OF ARKANSAS**

**LONG-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS** **2022-2032**

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# Definitions of Important Terms

**Base Employment –** The average number of jobs in a particular industry or occupation during the benchmark year or quarter.

**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.

**Establishment –** The physical location of a certain economic activity, for example, a factory, mine, store, or office. A single establishment produces a single good or provides a single service.

**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.

**Industry –** A group of establishments that produce related products or provide similar services.

**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.

**Net Growth –** 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, whether or not 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 (%) Growth –** 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 Wages (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.

**Introduction**

The *Arkansas Long-Term Industry and Occupational Projections* publication includes an overview of where the Arkansas labor market may be heading in the distant future. 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 classifying 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 will highlight 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 occupation level in Arkansas. A written narrative will highlight 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. Openings are created due to a variety of factors, including employees leaving the workforce for a period of time, employees changing jobs, and expansion and growth in an occupation. It is important to look at all of these factors when determining whether a particular occupation is right for you.

For each occupation, an education/training level will be 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 of training: Education, Work Experience, and Job Training. Some businesses, however, may require a higher level of training. Some occupations may also have different grades or levels that require various levels of training. These various levels of training will not be reflected in this publication.

The need for workers to have certain skills has become increasingly important in the labor market. A part of the publication presents the top skills that are in demand for new jobs and for jobs being replaced. Top work activities and types of knowledge are also presented.

More projections-related information can be found at [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.

**Methodology**

The following shows a brief overview of the methods used to produce long-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 of 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 and American Community Survey (ACS) data.

### Industry Projections

The industry projections in this publication were produced using the *Projection Suite* software, authorized by the U.S. Department of Labor, and developed by the Utah Department of Workforce Services. The program allows the analyst to choose from a variety of predefined, generally accepted projection models including linear and multiple regression models and shift-share models. Independent variables that may be used in the regression models are time, national employment, state civilian labor force, plus a variety of other national and state variables. A final forecast is chosen based on established statistical methodology.

For some industry reporting, Industry Supersectors are used. NAICS codes for Supersectors are not published in the NAICS manual. They were developed for statistical reporting purposes and are used for some industry data contained on the Data Analysis section of the Discover Arkansas website.

### 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 OES semiannual survey of the year that corresponds to the base year to establish the staffing patterns and is provided through the Local Employment and Wages Information System (LEWIS).

The occupational employment projections contained in this publication were created using the *Projection 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 and unpaid family workers staffing patterns, the system generates base and projected employment for self-employed and unpaid family workers.

### 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 2032. While every attempt is made to incorporate current and future events, such as business closings, corporate layoffs, openings, and expansions, it is not possible to know everything that might happen. Events that would 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 change and percent change when looking at projections. 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. Concerning occupational projections, it is important to look at openings associated with all three factors: Occupational Exits, Occupational Transfers, and Occupational Change.

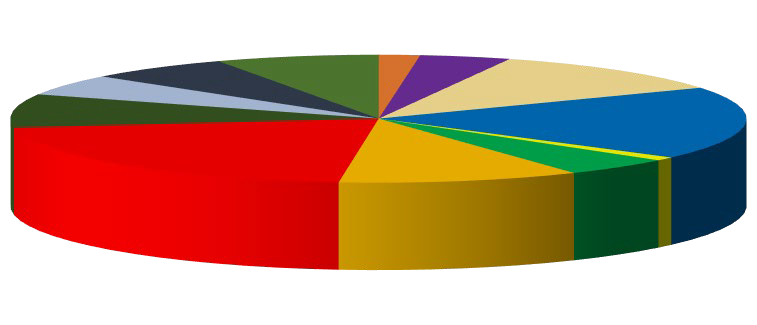
# State of Arkansas

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. The state has many historical landmarks and state parks scattered throughout the state. This is one of the reasons why Arkansas is called the Natural State.

Educational opportunities in the state of Arkansas are numerous. Prospective students have a wide range of institutions from which to choose, varying 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 graduates.

Arkansas’s population based on the state Census Data Center estimates was 3,046,404 as of July 1, 2022, which is an increase of 34,914 residents from 2020 Census value of 3,011,490. The annual unemployment rate for 2022 was 3.2 percent.



**Employment Distribution (Annual 2022)**

**Data includes Non-Covered and Self-Employment**

**1.80%**

**7.19%**

**6.36%**

**4.01%**

**5.26%**

**11.17%**

**8.47%**

**18.41%**

**20.99%**

**0.88%**

**10.62%**

**4.83%**

**Natural Resources and Mining Construction**

**Manufacturing**

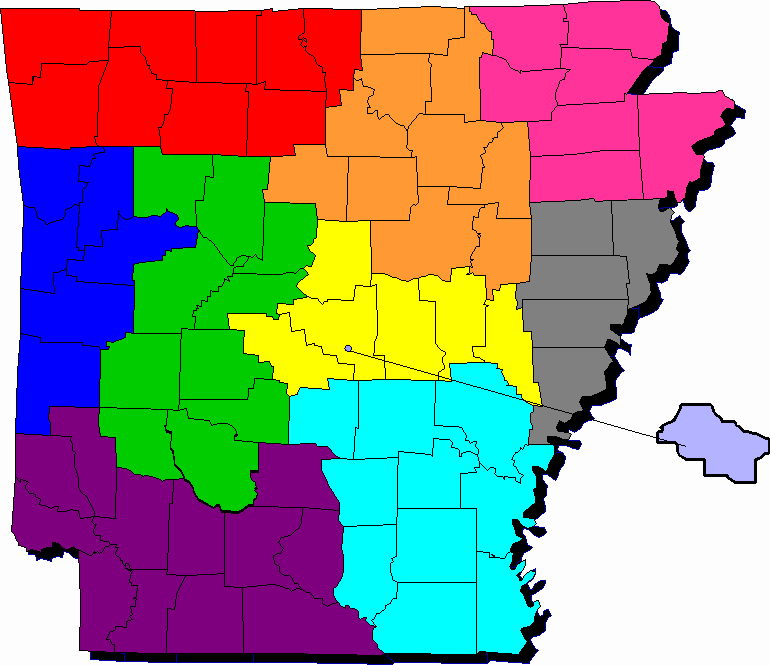
**Trade, Transportation, and Utilities Information**

**Financial Activities**

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

**Other Services Government**

**Self-Employed and Unpaid Family Workers**



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Local Workforce Development Areas**  **Northwest Arkansas Workforce Development Area**  Baxter, Benton, Boone, Carroll, Madison, Marion, Newton, Searcy, and Washington counties |  | **NW** |  | **NC** | **NE** |  |
| **North Central Arkansas Workforce Development Area**  Cleburne, Fulton, Independence, Izard, Jackson, Sharp, Stone, Van Buren, White, and Woodruff counties | **W** |  | **C** |  | **E** |
| **Northeast Arkansas Workforce Development Area**  Clay, Craighead, Greene, Lawrence, Mississippi, Poinsett, and |  | **WC** |  |  |  |
| Randolph counties  **Western Arkansas Workforce Development Area**  Crawford, Franklin, Logan, Polk, Scott, and Sebastian counties  **West Central Arkansas Workforce Development Area** |  | **SW** |  | **SE** |  | **LR** |
| Clark, Conway, Garland, Hot Spring, Johnson, Montgomery, |  | | | | | |
| Perry, Pike, Pope, and Yell counties |
| **Central Arkansas Workforce Development Area** |
| Faulkner, Lonoke, Monroe, Prairie, Saline, and Pulaski counties, |
| except the City of Little Rock |
| **City of Little Rock Workforce Development Area** |
| City Limits of Little Rock |
| **Eastern Arkansas Workforce Development Area** |
| Crittenden, Cross, Lee, Phillips, and St. Francis 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 |

**Explanation of Long-Term Industry Projections Data**

**Arkansas-Statewide 2022-2032**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| 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 2032 | Total number of jobs an industry is expected to gain or lose over the 2022 to 2032 period | Percent Change in the number of jobs in an industry over the 2022 to 2032 period |

**2022-2032 Industry Projections by Major Division**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **000000** | **TOTAL ALL INDUSTRIES** | **1,451,508** | **1,541,226** | **89,718** | **6.18%** |
| 006010 | Self Employed Workers, All Jobs | 104,314 | 105,692 | 1,378 | 1.32% |
| **101000** | Goods Producing | 246,556 | 253,354 | 6,798 | 2.76% |
| **101100** | **NATURAL RESOURCES AND MINING** | **26,195** | **26,165** | **-30** | **-0.11%** |
| 110000 | Agriculture, Forestry, Fishing and Hunting | 22,885 | 22,941 | 56 | 0.24% |
| 210000 | Mining, Quarrying, and Oil and Gas Extraction | 3,310 | 3,224 | -86 | -2.60% |
| 101200 | **CONSTRUCTION** | **58,168** | **61,064** | **2,896** | **4.98%** |
| 101300 | **MANUFACTURING** | **162,193** | **166,125** | **3,932** | **2.42%** |
|  | **Non-Durable Goods Manufacturing** | **83,731** | **84,569** | **838** | **1.00%** |
|  | **Durable Goods Manufacturing** | **78,462** | **81,556** | **3,094** | **3.94%** |
| 102000 | **Services Providing** | **1,100,638** | **1,182,180** | **81,542** | **7.41%** |
| **102100** | **TRADE, TRANSPORTATION, AND UTILITIES** | **267,220** | **280,557** | **13,337** | **4.99%** |
| 420000 | Wholesale Trade | 50,832 | 53,193 | 2,361 | 4.64% |
| 440000 | Retail Trade | 142,788 | 149,455 | 6,667 | 4.67% |
| 480000 | Transportation and Warehousing | 65,893 | 69,646 | 3,753 | 5.70% |
| 220000 | Utilities | 7,707 | 8,263 | 556 | 7.21% |
| **102200** | **INFORMATION** | **12,796** | **12,829** | **33** | **0.26%** |
| **102300** | **FINANCIAL ACTIVITIES** | **70,160** | **75,976** | **5,816** | **8.29%** |
| 520000 | Finance and Insurance | 55,353 | 60,356 | 5,003 | 9.04% |
| 530000 | Real Estate and Rental and Leasing | 14,807 | 15,620 | 813 | 5.49% |
| **102400** | **PROFESSIONAL AND BUSINESS SERVICES** | **154,148** | **171,987** | **17,839** | **11.57%** |
| 540000 | Professional, Scientific, and Technical Services | 48,286 | 55,149 | 6,863 | 14.21% |
| 550000 | Management of Companies and Enterprises | 37,605 | 43,705 | 6,100 | 16.22% |
| 560000 | Administrative and Support and Waste Management and Remediation Services | 68,257 | 73,133 | 4,876 | 7.14% |
| **102500** | **EDUCATION AND HEALTH SERVICES** | **304,743** | **332,035** | **27,292** | **8.96%** |
| 610000 | Educational Services | 108,626 | 109,903 | 1,277 | 1.18% |
| 620000 | Health Care and Social Assistance | 196,117 | 222,132 | 26,015 | 13.27% |
| **102600** | **LEISURE AND HOSPITALITY** | **122,878** | **130,550** | **7,672** | **6.24%** |
| 710000 | Arts, Entertainment, and Recreation | 12,904 | 14,303 | 1,399 | 10.84% |
| 720000 | Accommodation and Food Services | 109,974 | 116,247 | 6,273 | 5.70% |
| **102700** | **OTHER SERVICES (EXCEPT GOVERNMENT)** | **76,315** | **85,634** | **9,319** | **12.21%** |
| **102800** | **GOVERNMENT** | **92,378** | **92,612** | **234** | **0.25%** |

**Industry Outlook**

Arkansas employment saw a loss of 42,319 covered employment jobs between 2019 and 2020, or 3.48 percent of total employment. By 2022, employment has fully recovered from the loss. The job market in Arkansas is projected to add 89,718 jobs between 2022 and 2032, a 6.18 percent gain. **Goods-Producing** industries are expected to add 6,798 new jobs, while the **Services-Providing** industries should see most of the growth, with 81,542 new jobs being added. Self-Employed workers could see a gain of 1,378 jobs during this time.

The **Natural Resources and Mining** supersector lost just 392 jobs between 2019 and 2020, a 2.44 percent drop. Between 2022 and 2032, the industry supersector is slated to experience a net loss of 30 jobs, a decrease of 0.11 percent. The **Agriculture, Forestry, Fishing, and Hunting** sector is expected to add 56 jobs during the projection period. Animal Production and Aquaculture is forecast to gain 326 jobs, while Crop Production is slated to increase by 108. However, Logging could see a loss of 190 jobs, a decline of 10.34 percent. The **Mining** sector is slated to experience a net loss of 86 jobs. While *Mining (except Oil and Gas)* could see a gain of 31 jobs, *Support Activities for Mining* is predicted to lose 92,

8.61 percent of its workforce.

**Construction** gained 696 jobs between 2019 and 2020, a 1.32 percent increase, weathering the pandemic storm of second quarter 2020. It is estimated to grow by 2,896 jobs, an increase of 4.98 percent between 2022 and 2032. More than 65 percent of the growth could come in the *Specialty Trade Contractors* subsector, with a growth of 1,897 new jobs over the 10-year period. Driving this growth is Building Equipment Contractors, which is forecast to add 1,320 new jobs, an increase of 6.28 percent. On the negative side of the economy, Land Subdivision could see an 8.64 percent reduction.

The **Manufacturing** supersector lost 7,422 jobs, or 4.56 percent of its workforce between 2019 and 2020. As of 2022, the supersector has recovered all but 160 jobs. An increase of 3,932 jobs is expected in **Manufacturing**, raising employment levels by 2.42 percent. **Non-Durable Goods Manufacturing** lost 2,236 jobs between 2019 and 2020, a 2.63 percent drop in employment. The industry group is estimated to increase employment by 838 jobs, a one percent increase, but is not predicted to exceed pre-pandemic levels. The *Food Manufacturing* subsector is the driving force behind the growth, with a projected gain of 1,292. *Textile Mills* is forecast to gain 66.67 percent, becoming the fastest growing subsector in Arkansas. Within this subsector, Fabric Mills is slated to increase its workforce by 79.56 percent between 2022 and 2032, becoming the fastest growing industry in the state. However, on the negative side of the job market, *Paper Manufacturing* is projected to cut 992 jobs over the 10- year projection period. Within that subsector, Converted Paper Product Manufacturing is estimated to be the third highest declining industry in the state, losing 677 jobs, while Pulp, Paper, and Paperboard Mills is slated to cut 315 jobs. In all, five Non-Durable Goods Manufacturing industries made the Top 25 Declining Industries list. *Apparel Manufacturing* is anticipated to lose 40.06 percent of its workforce. Apparel Knitting Mills could be the fastest declining industry in the state, losing an estimated 209 jobs, or 49.18 percent of its workforce. In all, seven **Non-Durable Goods Manufacturing** industries made the Top 25 Fastest Declining Industries list.

**Durable Goods Manufacturing** lost 5,186 jobs between 2019 and 2020, a 6.69 percent loss. The industry group surpassed pre-pandemic levels and is forecast to increase employment by 3,094 jobs between 2022 and 2032. The largest increase in jobs should be seen in the *Transportation Equipment Manufacturing* subsector, with 1,643 jobs anticipated overall, a growth of 11.09 percent. Iron and Steel Mills and Ferroalloy Manufacturing is predicted to increase its workforce by 23.71 percent, placing among the ten fastest growing industries. On the negative side of the

economy, *Furniture and Related Product Manufacturing* is slated to be the fifth highest declining industry, cutting 526 jobs or 15.42 percent of its workforce. Household Appliance Manufacturing could see a 35 percent reduction in its employment, placing as the second fastest declining industry in the state. In all, eight **Durable Goods Manufacturing** industries place on the Top 25 Fastest Declining Industries list.

The **Trade, Transportation, and Utilities** supersector lost 3,824 jobs between 2019 and 2020. The supersector has since exceeded pre-pandemic levels. The supersector is slated to add 13,337 jobs, an increase of 4.99 percent during the 10-year projection period. The **Wholesale Trade** sector lost 842 jobs between 2019 and 2020. The sector is expected to grow 4.64 percent, or 2,361 new jobs. *Merchant Wholesalers, Durable Goods* is anticipated to add 1,590 jobs, while *Merchant Wholesalers, Nondurable Goods* is predicted to raise staffing by 1,084 jobs. On the other side, *Wholesale Electronic Markets and Agents and Brokers* could lose 313 jobs between 2022 and 2032, or 8.23 percent of its workforce.

The **Retail Trade** sector lost 1,189 jobs between 2019 and 2020, or 0.87 percent of its workforce. The industry sector has since fully recovered and is estimated to grow by 6,667 jobs, or 4.67 percent by 2032. *Sporting Goods, Hobby, Musical Instrument, Book, and Miscellaneous Retailers* is predicted to increase employment by 2,174 jobs, a gain of 17.43 percent becoming the top and fastest growing subsector in **Retail Trade.** Other Miscellaneous Retailers is slated to drive this growth, increasing its workforce by 21.57 percent. General Merchandise Retailers is predicted to be the top growing industry among **Retail Trade** industries, gaining 1,939 jobs. On the negative side of the labor market, *Clothing, Clothing Accessories, Shoe, and Jewelry Retailers* is estimated to lose 424 jobs, while *Furniture, Home Furnishings, Electronics, and Appliance Retailers* could cut 393 jobs, or 6.05 percent of its workforce. Electronics and Appliance Retailers leads declining industries, losing an estimated 333 jobs, placing among the ten highest declining industries in the state. Shoe Retailers is slated to decline by 16.40 percent, becoming the fastest declining industry in **Retail Trade.**

The **Transportation and Warehousing** sector lost 1,854 jobs between 2019 and 2020, a 3.27 percent drop. The industry sector has fully recovered the loss and is forecast to add 3,753 jobs between 2022 and 2032, a 5.70 percent increase. *Warehousing and Storage* is predicted to be the top growing industry in **Transportation and Warehousing**, adding 1,986 jobs between 2022 and 2032. Couriers and Express Delivery Services is slated to be the fastest growing industry, increasing its workforce by 17.48 percent. On the reverse side of the economy, Pipeline Transportation of Natural Gas is slated to lose 63 jobs, while Urban Transit Systems could cut 21.95 percent of its workforce, placing among the ten fastest declining industries in the state.

The **Utilities** sector gained 62 jobs between 2019 and 2020. The industry sector is projected to add 556 jobs during the 2022-2032 projection period, an increase of 7.21 percent. Electric Power Generation, Transmission and Distribution is slated to add 488 jobs, while Water, Sewage and Other Systems is estimated to gain 165 jobs, a 16.45 percent increase. However, Natural Gas Distribution, could cut 97 jobs, or 9.28 percent of its workforce.

The **Information** supersector lost 834 jobs between 2019 and 2020, a 6.88 percent drop. The industry group is projected to remain relatively flat in terms of job growth, adding just 33 jobs between 2022 and 2032. The *Computing Infrastructure Providers, Data Processing, Web Hosting, and Related Services* is predicted to be the biggest highlight of this supersector, adding an estimated 718 jobs, an increase of 15.58 percent. The *Telecommunications* subsector, on the other hand, is slated to experience a decline of 379 jobs, placing the industry among the ten highest declining industries in the state. *Publishing Industries* is projected to cut 12.62 percent of its workforce. Newspaper, Periodical, Book, and Directory Publishers is anticipated to be the fastest declining industry in the **Information** supersector, declining by 16.76 percent.

The **Financial Activities** supersector stayed relatively stable during the pandemic, losing only 10 jobs between 2019 and 2020. The supersector is estimated to gain 5,816 jobs or 8.29 percent to its workforce from 2022 to 2032. The **Finance and Insurance** sector gained jobs between 2019 and 2020, increasing its workforce by 331 jobs. The industry sector is expected to gain 5,003 jobs, more than 86 percent of the total growth in **Financial Activities**. The *Insurance Carriers and Related Activities* subsector is projected to add 4,558 jobs, or 14.38 percent to its workforce. Driving this growth is Insurance Carriers, expected to increase the workforce by 3,755 jobs, placing among the ten highest growing industries in the state. The **Real Estate and Rental and Leasing** sector lost 342 jobs between 2019 and 2020, a 2.45 percent decline. The sector is expected to add 813 jobs, or

5.49 percent, between 2022 and 2032. The outlook is mixed as the *Real Estate* subsector is estimated to add 940 jobs, or 8.69 percent to its workforce, while the *Rental and Leasing Services* subsector could decline by 113 jobs. Lessors of Nonfinancial Intangible Assets (except Copyrighted Works) is forecast to be among the ten fastest declining industries, cutting 21.54 percent from its workforce during the 10-year projection period.

The **Professional and Business Services** supersector lost 4,531 jobs, or 3.14 percent, between 2019 and 2020. The supersector has fully recovered from the loss of jobs and is projected to increase its workforce by 11.57 percent, or 17,839 additional jobs between 2022 and 2032. The **Professional, Scientific, and Technical Services** sector lost 362 jobs between 2019 and 2020, amounting to a less-than-one percent drop in employment. The industry sector is slated to raise staffing by 14.21 percent, or 6,863 new jobs during the projection period. Management, Scientific, and Technical Consulting Services leads the sector with an estimated 2,034 new jobs, an increase of 24.45 percent, placing among the ten fastest growing industries and placing on the Top 25 Growing Industries list. Computer Systems Design and Related Services is forecast to increase its workforce by 1,806 jobs, also making the Top 25 Growing Industries list. Scientific Research and Development Services is also slated to experience strong growth increasing its workforce by 24.93 percent, placing seventh on the Top 25 Fastest Growing Industries list.

The **Management of Companies and Enterprises** gained 87 jobs between 2019 and 2020. The industry sector is projected to be the top growing industry in Arkansas, gaining 6,100 jobs, a 16.22 percent increase.

The **Administrative and Support and Waste Management and Remediation Services** sector lost 4,256 jobs between 2019 and 2020, a 6.33 percent decline. The industry sector is estimated to increase by 4,876 jobs, or 7.14 percent, from 2022 to 2032. The *Administrative and Support Services* subsector drives this growth with a gain of 4,088 jobs. The subsector lost 4,314 jobs between 2019 and 2020. Services to Buildings and Dwellings leads the sector in growth, adding an estimated 2,562 jobs, and becoming one of the ten highest growing industries in the state. The Waste Management and Remediation Services subsector, which gained jobs between 2019 and 2020, is projected to increase by an additional 788 jobs.

Remediation and Other Waste Management Services is slated to increase employment by 21.93 percent. One downside is Business Support Services, slated to lose 1,269 jobs, or 15.86 percent of its workforce, making it the top declining industry in Arkansas.

**Education and Health Services** lost 9,079 jobs between 2019 and 2020, a 3.14 percent reduction. The industry group has not fully recovered to levels seen in 2019 but is expected to gain 27,292 jobs between 2022 and 2032, becoming the top growing supersector. *Educational Services* lost 3,191 jobs between 2019 and 2020, a 3.18 percent decline, as many educational institutions at all levels were forced to go virtual or hybrid for much of 2020. The industry sector has not fully recovered but is estimated to gain 1,277 jobs during the projection period. Elementary and Secondary Schools should see most of this growth with 911 new jobs anticipated to be added, while Business Schools and Computer and Management Training is slated to increase its workforce by 8.15 percent.

**Health Care and Social Assistance** lost 5,887 jobs between 2019 and 2020, a 3.11 percent loss. The industry sector has not fully recovered to 2019 employment levels but is forecast to grow by 26,015 jobs, an increase of 13.27 percent, becoming the top growing sector in Arkansas. Of those jobs, 10,958 could be found in the *Ambulatory Health Care Services* subsector. Offices of Physicians is slated to be the fourth highest growing industry, growing by 4,928 jobs between 2022 and 2032. Three other industries within this subsector are slated to be on the Top 25 Growing Industries list. Overall, eight industries in **Healthcare and Social Assistance** are predicted to be on the Top 25 Growing Industries list. Individual and Family Services is anticipated to be the second highest growing industry in the state, raising employment levels by 5,583 jobs and among the ten fastest at a rate of 24.39 percent. Child Day Care Services is also among the top ten fastest growing as well as the top ten highest growing industries, growing by 2,758 jobs, an increase of 25.51 percent. There are, however, some downsides to the **Healthcare and Social Assistance** sector. Nursing Care Facilities (Skilled Nursing Facilities) is predicted to cut 470 jobs, or 2.65 percent of its workforce, placing sixth on the Top 25 Declining Industries list. Vocational Rehabilitation Services could also face a difficult outlook, cutting 7.37 percent of its workforce, or 185 jobs.

**Leisure and Hospitality** lost the most jobs of any supersector between 2019 and 2020, cutting 14,504 jobs, or 11.98 percent of its workforce. The industry supersector has fully recovered and is forecast to increase by 7,672 jobs between 2022 and 2032, a 6.24 percent gain. The **Arts, Entertainment, and Recreation** sector lost 1,729 jobs between 2019 and 2020, or 14.49 percent of its workforce. The industry sector has fully recovered and is estimated to add 1,399 jobs, a 10.84 percent increase. The *Amusement, Gambling, and Recreation Industries* subsector drives the growth with an estimated increase of 1,045 jobs. Promoters of Performing Arts, Sports, and Similar Events is slated to be the fifth fastest growing industry in the state, adding 27.59 percent to its workforce. *Museums, Historical Sites, and Similar Institution*s also makes the Top 25 Fastest Growing Industries list, raising employment levels by 19 percent.

The **Accommodation and Food Services** sector lost 12,775 jobs between 2019 and 2020, an 11.71 percent reduction. The industry group has fully recovered and is projected to add 6,273 jobs between 2022 and 2032. Restaurants and Other Eating Places drives the growth in the sector with an estimated gain of 5,131 jobs, making it the third highest growing industry in the state. Special Food Services and RV (Recreational Vehicle) Parks and Recreational Camps are each slated to grow by more than 14 percent during the 2022-2032 projection period.

The **Other Services (Except Government)** supersector lost 1,451 jobs between 2019 and 2020, a 5.74 percent drop. The supersector has fully recovered and is predicted to add 9,319 jobs between 2022 and 2032, a 12.21 percent rise in employment. Most of the growth is expected in the *Religious, Grantmaking, Civic, Professional, and Similar Organizations* subsector, gaining an estimated 8,948 jobs. Social Advocacy Organizations is slated to add 3,032 jobs, an increase of 52.38 percent, placing it among the ten highest growing industries in the state and the second fastest. Three of the top five fastest growing industries are in this subsector. Religious Organizations is also among the ten highest growing industries, estimated to gain 2,511 new jobs. On the negative side of the labor market, Drycleaning and Laundry Services is projected to lose 308 jobs, 17.17 percent of its workforce, placing the industry on both the Top 25 Declining Industries list and the Top 25 Fastest Declining Industries list.

The **Government** supersector lost 963 jobs between 2019 and 2020 and has continued to struggle since then. The industry group is expected to add only 234 jobs between 2022 and 2032. *Local Government, Excluding Education and Hospitals* is forecast to drive growth, adding an estimated 902 jobs to its workforce. *State, Government, Excluding Education and Hospitals* is predicted to experience a loss of 532 jobs, or 1.68 percent, of its workforce. Federal Government, Excluding Post Office is predicted to add 69 jobs, but Postal Service could see a reduction of 205 jobs across the state.

**14%**

**Percent Change by Industry Supersector**

**12%**

**10%**

**Total, All Industries 6.18%**

**11.57%**

**12.21%**

**8%**

**8.29%**

**8.96%**

**6%**

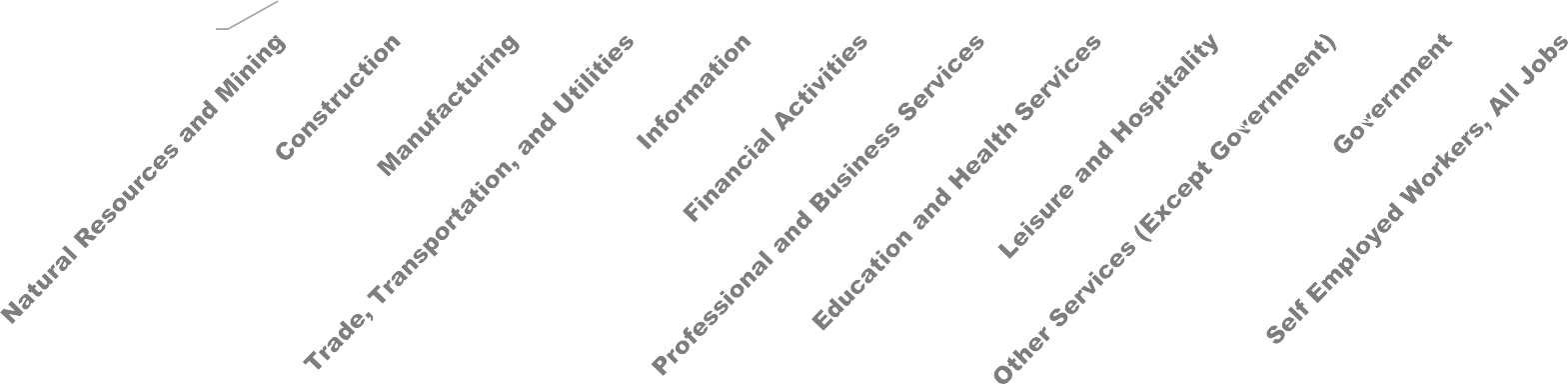
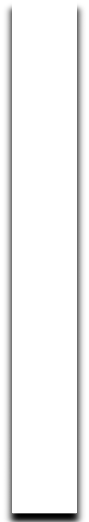
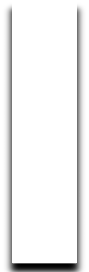
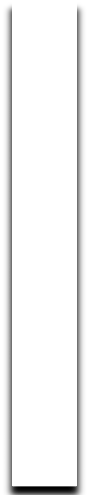
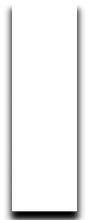
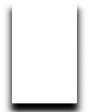
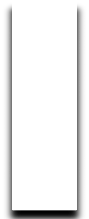
**6.24%**

**4%**

**4.98%**

**4.99%**

**2%**



**0%**

**-0.11%**

**2.42%**

**0.26%**

**0.25% 1.32%**

**Top 25 Growing Industries by Numeric Change**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| 551000 | Management of Companies and Enterprises | 37,605 | 43,705 | **6,100** | 16.22% |
| 624100 | Individual and Family Services | 22,887 | 28,470 | **5,583** | 24.39% |
| 722500 | Restaurants and Other Eating Places | 92,414 | 97,545 | **5,131** | 5.55% |
| 621100 | Offices of Physicians | 27,075 | 32,003 | **4,928** | 18.20% |
| 622100 | General Medical and Surgical Hospitals | 53,477 | 57,495 | **4,018** | 7.51% |
| 524100 | Insurance Carriers | 22,763 | 26,518 | **3,755** | 16.50% |
| 813300 | Social Advocacy Organizations | 5,788 | 8,820 | **3,032** | 52.38% |
| 624400 | Child Day Care Services | 10,811 | 13,569 | **2,758** | 25.51% |
| 561700 | Services to Buildings and Dwellings | 16,265 | 18,827 | **2,562** | 15.75% |
| 813100 | Religious Organizations | 32,133 | 34,644 | **2,511** | 7.81% |
| 621300 | Offices of Other Health Practitioners | 11,050 | 13,288 | **2,238** | 20.25% |
| 541600 | Management, Scientific, and Technical Consulting Services | 8,318 | 10,352 | **2,034** | 24.45% |
| 493000 | Warehousing and Storage | 14,947 | 16,933 | **1,986** | 13.29% |
| 455000 | General Merchandise Retailers | 40,199 | 42,138 | **1,939** | 4.82% |
| 541500 | Computer Systems Design and Related Services | 9,511 | 11,317 | **1,806** | 18.99% |
| 813900 | Business, Professional, Labor, Political, and Similar Organizations | 4,376 | 6,112 | **1,736** | 39.67% |
| 813200 | Grantmaking and Giving Services | 6,011 | 7,737 | **1,726** | 28.71% |
| 423000 | Merchant Wholesalers, Durable Goods | 27,192 | 28,782 | **1,590** | 5.85% |
| 621200 | Offices of Dentists | 7,779 | 9,331 | **1,552** | 19.95% |
| 561300 | Employment Services | 28,081 | 29,508 | **1,427** | 5.08% |
| 622300 | Specialty (except Psychiatric and Substance Abuse) Hospitals | 6,156 | 7,572 | **1,416** | 23.00% |
| 445000 | Food and Beverage Retailers | 20,875 | 22,247 | **1,372** | 6.57% |
| 238200 | Building Equipment Contractors | 21,024 | 22,344 | **1,320** | 6.28% |
| 621400 | Outpatient Care Centers | 5,770 | 6,964 | **1,194** | 20.69% |
| 332000 | Fabricated Metal Product Manufacturing | 15,916 | 17,047 | **1,131** | 7.11% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| 313200 | Fabric Mills | 137 | 246 | 109 | **79.56%** |
| 813300 | Social Advocacy Organizations | 5,788 | 8,820 | 3,032 | **52.38%** |
| 813900 | Business, Professional, Labor, Political, and Similar Organizations | 4,376 | 6,112 | 1,736 | **39.67%** |
| 813200 | Grantmaking and Giving Services | 6,011 | 7,737 | 1,726 | **28.71%** |
| 711300 | Promoters of Performing Arts, Sports, and Similar Events | 754 | 962 | 208 | **27.59%** |
| 624400 | Child Day Care Services | 10,811 | 13,569 | 2,758 | **25.51%** |
| 541700 | Scientific Research and Development Services | 1,011 | 1,263 | 252 | **24.93%** |
| 541600 | Management, Scientific, and Technical Consulting Services | 8,318 | 10,352 | 2,034 | **24.45%** |
| 624100 | Individual and Family Services | 22,887 | 28,470 | 5,583 | **24.39%** |
| 331100 | Iron and Steel Mills and Ferroalloy Manufacturing | 3,826 | 4,733 | 907 | **23.71%** |
| 622300 | Specialty (except Psychiatric and Substance Abuse) Hospitals | 6,156 | 7,572 | 1,416 | **23.00%** |
| 562900 | Remediation and Other Waste Management Services | 1,496 | 1,824 | 328 | **21.93%** |
| 811300 | Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance | 2,926 | 3,564 | 638 | **21.80%** |
| 459900 | Other Miscellaneous Retailers | 3,593 | 4,368 | 775 | **21.57%** |
| 621400 | Outpatient Care Centers | 5,770 | 6,964 | 1,194 | **20.69%** |
| 541800 | Advertising, Public Relations, and Related Services | 4,193 | 5,054 | 861 | **20.53%** |
| 621300 | Offices of Other Health Practitioners | 11,050 | 13,288 | 2,238 | **20.25%** |
| 561200 | Facilities Support Services | 775 | 931 | 156 | **20.13%** |
| 621200 | Offices of Dentists | 7,779 | 9,331 | 1,552 | **19.95%** |
| 311900 | Other Food Manufacturing | 2,516 | 3,010 | 494 | **19.63%** |
| 712000 | Museums, Historical Sites, and Similar Institutions | 842 | 1,002 | 160 | **19.00%** |
| 541500 | Computer Systems Design and Related Services | 9,511 | 11,317 | 1,806 | **18.99%** |
| 562100 | Waste Collection | 1,470 | 1,749 | 279 | **18.98%** |
| 336400 | Aerospace Product and Parts Manufacturing | 3,950 | 4,692 | 742 | **18.78%** |
| 561100 | Office Administrative Services | 4,522 | 5,368 | 846 | **18.71%** |

**Top 25 Declining Industries by Numeric Change**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| 561400 | Business Support Services | 8,002 | 6,733 | **-1,269** | -15.86% |
| 814000 | Private Households | 6,980 | 6,248 | **-732** | -10.49% |
| 322200 | Converted Paper Product Manufacturing | 6,217 | 5,540 | **-677** | -10.89% |
| 999200 | State Government, Excluding Education and Hospitals | 31,624 | 31,092 | **-532** | -1.68% |
| 337000 | Furniture and Related Product Manufacturing | 3,412 | 2,886 | **-526** | -15.42% |
| 623100 | Nursing Care Facilities (Skilled Nursing Facilities) | 17,743 | 17,273 | **-470** | -2.65% |
| 323000 | Printing and Related Support Activities | 2,992 | 2,562 | **-430** | -14.37% |
| 517000 | Telecommunications | 3,297 | 2,918 | **-379** | -11.50% |
| 449200 | Electronics and Appliance Retailers | 2,987 | 2,654 | **-333** | -11.15% |
| 322100 | Pulp, Paper, and Paperboard Mills | 2,533 | 2,218 | **-315** | -12.44% |
| 425000 | Wholesale Electronic Markets and Agents and Brokers | 3,802 | 3,489 | **-313** | -8.23% |
| 812300 | Drycleaning and Laundry Services | 1,794 | 1,486 | **-308** | -17.17% |
| 311600 | Animal Slaughtering and Processing | 33,133 | 32,855 | **-278** | -0.84% |
| 513100 | Newspaper, Periodical, Book, and Directory Publishers | 1,587 | 1,321 | **-266** | -16.76% |
| 458100 | Clothing and Clothing Accessories Retailers | 5,568 | 5,358 | **-210** | -3.77% |
| 315100 | Apparel Knitting Mills | 425 | 216 | **-209** | -49.18% |
| 491100 | Postal Service | 5,472 | 5,267 | **-205** | -3.75% |
| 339900 | Other Miscellaneous Manufacturing | 1,808 | 1,606 | **-202** | -11.17% |
| 331500 | Foundries | 1,302 | 1,109 | **-193** | -14.82% |
| 113300 | Logging | 1,837 | 1,647 | **-190** | -10.34% |
| 335300 | Electrical Equipment Manufacturing | 2,920 | 2,734 | **-186** | -6.37% |
| 624300 | Vocational Rehabilitation Services | 2,511 | 2,326 | **-185** | -7.37% |
| 711100 | Performing Arts Companies | 536 | 361 | **-175** | -32.65% |
| 115000 | Support Activities for Agriculture and Forestry | 5,835 | 5,662 | **-173** | -2.96% |
| 458200 | Shoe Retailers | 982 | 821 | **-161** | -16.40% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| 315100 | Apparel Knitting Mills | 425 | 216 | -209 | **-49.18%** |
| 335200 | Household Appliance Manufacturing | 20 | 13 | -7 | **-35.00%** |
| 711100 | Performing Arts Companies | 536 | 361 | -175 | **-32.65%** |
| 335100 | Electric Lighting Equipment Manufacturing | 160 | 115 | -45 | **-28.13%** |
| 315200 | Cut and Sew Apparel Manufacturing | 170 | 123 | -47 | **-27.65%** |
| 334500 | Navigational, Measuring, Electromedical, and Control Instruments Manufacturing | 258 | 187 | -71 | **-27.52%** |
| 315900 | Apparel Accessories and Other Apparel Manufacturing | 129 | 95 | -34 | **-26.36%** |
| 485100 | Urban Transit Systems | 82 | 64 | -18 | **-21.95%** |
| 533000 | Lessors of Nonfinancial Intangible Assets (except Copyrighted Works) | 65 | 51 | -14 | **-21.54%** |
| 486200 | Pipeline Transportation of Natural Gas | 316 | 253 | -63 | **-19.94%** |
| 316200 | Footwear Manufacturing | 618 | 495 | -123 | **-19.90%** |
| 334300 | Audio and Video Equipment Manufacturing | 89 | 72 | -17 | **-19.10%** |
| 331400 | Nonferrous Metal (except Aluminum) Production and Processing | 257 | 211 | -46 | **-17.90%** |
| 812300 | Drycleaning and Laundry Services | 1,794 | 1,486 | -308 | **-17.17%** |
| 513100 | Newspaper, Periodical, Book, and Directory Publishers | 1,587 | 1,321 | -266 | **-16.76%** |
| 458200 | Shoe Retailers | 982 | 821 | -161 | **-16.40%** |
| 561400 | Business Support Services | 8,002 | 6,733 | -1,269 | **-15.86%** |
| 337000 | Furniture and Related Product Manufacturing | 3,412 | 2,886 | -526 | **-15.42%** |
| 331500 | Foundries | 1,302 | 1,109 | -193 | **-14.82%** |
| 314900 | Other Textile Product Mills | 786 | 672 | -114 | **-14.50%** |
| 323000 | Printing and Related Support Activities | 2,992 | 2,562 | -430 | **-14.37%** |
| 516100 | Radio and Television Broadcasting Stations | 1,033 | 891 | -142 | **-13.75%** |
| 322100 | Pulp, Paper, and Paperboard Mills | 2,533 | 2,218 | -315 | **-12.44%** |
| 517000 | Telecommunications | 3,297 | 2,918 | -379 | **-11.50%** |
| 339900 | Other Miscellaneous Manufacturing | 1,808 | 1,606 | -202 | **-11.17%** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **000000** | **TOTAL ALL INDUSTRIES** | **1,451,508** | **1,541,226** | **89,718** | **6.18%** |
|  |  |  |  |  |  |
| 006010 | Self Employed Workers, All Jobs | 104,314 | 105,692 | 1,378 | 1.32% |
|  |  |  |  |  |  |
| 101000 | Goods Producing | 246,556 | 253,354 | 6,798 | 2.76% |
|  |  |  |  |  |  |
| **101100** | **NATURAL RESOURCES AND MINING** | **26,195** | **26,165** | **-30** | **-0.11%** |
|  |  |  |  |  |  |
| **110000** | **Agriculture, Forestry, Fishing and Hunting** | **22,885** | **22,941** | **56** | **0.24%** |
| *111000* | *Crop Production* | *8,104* | *8,212* | *108* | *1.33%* |
| *112000* | *Animal Production and Aquaculture* | *6,871* | *7,197* | *326* | *4.74%* |
| *113000* | *Forestry and Logging* | *2,064* | *1,862* | *-202* | *-9.79%* |
| 113132 | Forestry | 227 | 215 | -12 | -5.29% |
| 113300 | Logging | 1,837 | 1,647 | -190 | -10.34% |
| *114000* | *Fishing, Hunting and Trapping* | *11* | *8* | *-3* | *-27.27%* |
| *115000* | *Support Activities for Agriculture and Forestry* | *5,835* | *5,662* | *-173* | *-2.96%* |
|  |  |  |  |  |  |
| **210000** | **Mining, Quarrying, and Oil and Gas Extraction** | **3,310** | **3,224** | **-86** | **-2.60%** |
| *211000* | *Oil and Gas Extraction* | *384* | *359* | *-25* | *-6.51%* |
| *212000* | *Mining (except Oil and Gas)* | *1,858* | *1,889* | *31* | *1.67%* |
| 212300 | Nonmetallic Mineral Mining and Quarrying | 1,774 | 1,800 | 26 | 1.47% |
| *213000* | *Support Activities for Mining* | *1,068* | *976* | *-92* | *-8.61%* |
|  |  |  |  |  |  |
| **101200** | **CONSTRUCTION** | **58,168** | **61,064** | **2,896** | **4.98%** |
|  |  |  |  |  |  |
| *236000* | *Construction of Buildings* | *11,951* | *12,688* | *737* | *6.17%* |
| 236100 | Residential Building Construction | 4,542 | 4,903 | 361 | 7.95% |
| 236200 | Nonresidential Building Construction | 7,409 | 7,785 | 376 | 5.07% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| *237000* | *Heavy and Civil Engineering Construction* | *9,692* | *9,954* | *262* | *2.70%* |
| 237100 | Utility System Construction | 5,561 | 5,719 | 158 | 2.84% |
| 237200 | Land Subdivision | 81 | 74 | -7 | -8.64% |
| 237300 | Highway, Street, and Bridge Construction | 3,217 | 3,270 | 53 | 1.65% |
| 237900 | Other Heavy and Civil Engineering Construction | 833 | 891 | 58 | 6.96% |
| *238000* | *Specialty Trade Contractors* | *36,525* | *38,422* | *1,897* | *5.19%* |
| 238100 | Foundation, Structure, and Building Exterior Contractors | 6,016 | 6,214 | 198 | 3.29% |
| 238200 | Building Equipment Contractors | 21,024 | 22,344 | 1,320 | 6.28% |
| 238300 | Building Finishing Contractors | 4,121 | 4,238 | 117 | 2.84% |
| 238900 | Other Specialty Trade Contractors | 5,364 | 5,626 | 262 | 4.88% |
|  |  |  |  |  |  |
| **101300** | **MANUFACTURING** | **162,193** | **166,125** | **3,932** | **2.42%** |
|  |  |  |  |  |  |
|  | **Non-Durable Goods Manufacturing** | **83,731** | **84,569** | **838** | **1.00%** |
| *311000* | *Food Manufacturing* | *49,874* | *51,166* | *1,292* | *2.59%* |
| 311100 | Animal Food Manufacturing | 2,002 | 2,193 | 191 | 9.54% |
| 311200 | Grain and Oilseed Milling | 2,891 | 3,073 | 182 | 6.30% |
| 311400 | Fruit and Vegetable Preserving and Specialty Food Manufacturing | 4,474 | 4,490 | 16 | 0.36% |
| 311500 | Dairy Product Manufacturing | 515 | 490 | -25 | -4.85% |
| 311600 | Animal Slaughtering and Processing | 33,133 | 32,855 | -278 | -0.84% |
| 311800 | Bakeries and Tortilla Manufacturing | 4,300 | 5,016 | 716 | 16.65% |
| 311900 | Other Food Manufacturing | 2,516 | 3,010 | 494 | 19.63% |
| *312000* | *Beverage and Tobacco Product Manufacturing* | *1,825* | *2,150* | *325* | *17.81%* |
| *313000* | *Textile Mills* | *165* | *275* | *110* | *66.67%* |
| 313200 | Fabric Mills | 137 | 246 | 109 | 79.56% |
| 313300 | Textile and Fabric Finishing and Fabric | 28 | 29 | 1 | 3.57% |
| *314000* | *Textile Product Mills* | *807* | *689* | *-118* | *-14.62%* |
| 314100 | Textile Furnishings Mills | 21 | 17 | -4 | -19.05% |
| 314900 | Other Textile Product Mills | 786 | 672 | -114 | -14.50% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| *315000* | *Apparel Manufacturing* | *724* | *434* | *-290* | *-40.06%* |
| 315100 | Apparel Knitting Mills | 425 | 216 | -209 | -49.18% |
| 315200 | Cut and Sew Apparel Manufacturing | 170 | 123 | -47 | -27.65% |
| 315900 | Apparel Accessories and Other Apparel Manufacturing | 129 | 95 | -34 | -26.36% |
| *316000* | *Leather and Allied Product Manufacturing* | *796* | *646* | *-150* | *-18.84%* |
| 316200 | Footwear Manufacturing | 618 | 495 | -123 | -19.90% |
| *322000* | *Paper Manufacturing* | *8,750* | *7,758* | *-992* | *-11.34%* |
| 322100 | Pulp, Paper, and Paperboard Mills | 2,533 | 2,218 | -315 | -12.44% |
| 322200 | Converted Paper Product Manufacturing | 6,217 | 5,540 | -677 | -10.89% |
| *323000* | *Printing and Related Support Activities* | *2,992* | *2,562* | *-430* | *-14.37%* |
| *324000* | *Petroleum and Coal Products Manufacturing* | *1,125* | *1,278* | *153* | *13.60%* |
| *325000* | *Chemical Manufacturing* | *5,318* | *5,793* | *475* | *8.93%* |
| *326000* | *Plastics and Rubber Products Manufacturing* | *11,355* | *11,818* | *463* | *4.08%* |
| 326100 | Plastics Product Manufacturing | 7,061 | 7,308 | 247 | 3.50% |
| 326200 | Rubber Product Manufacturing | 4,294 | 4,510 | 216 | 5.03% |
|  |  |  |  |  |  |
|  | **Durable Goods Manufacturing** | **78,462** | **81,556** | **3,094** | **3.94%** |
| *321000* | *Wood Product Manufacturing* | *10,364* | *11,171* | *807* | *7.79%* |
| 321100 | Sawmills and Wood Preservation | 4,909 | 4,986 | 77 | 1.57% |
| 321200 | Veneer, Plywood, and Engineered Wood Product Manufacturing | 2,156 | 2,418 | 262 | 12.15% |
| 321900 | Other Wood Product Manufacturing | 3,299 | 3,767 | 468 | 14.19% |
| *327000* | *Nonmetallic Mineral Product Manufacturing* | *3,534* | *3,386* | *-148* | *-4.19%* |
| *331000* | *Primary Metal Manufacturing* | *8,059* | *8,656* | *597* | *7.41%* |
| 331100 | Iron and Steel Mills and Ferroalloy Manufacturing | 3,826 | 4,733 | 907 | 23.71% |
| 331200 | Steel Product Manufacturing from Purchased Steel | 1,743 | 1,712 | -31 | -1.78% |
| 331300 | Alumina and Aluminum Production and Processing | 931 | 891 | -40 | -4.30% |
| 331400 | Nonferrous Metal (except Aluminum) Production and Processing | 257 | 211 | -46 | -17.90% |
| 331500 | Foundries | 1,302 | 1,109 | -193 | -14.82% |
| *332000* | *Fabricated Metal Product Manufacturing* | *15,916* | *17,047* | *1,131* | *7.11%* |

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| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| *333000* | *Machinery Manufacturing* | *12,666* | *12,767* | *101* | *0.80%* |
| *334000* | *Computer and Electronic Product Manufacturing* | *1,562* | *1,375* | *-187* | *-11.97%* |
| 334300 | Audio and Video Equipment Manufacturing | 89 | 72 | -17 | -19.10% |
| 334400 | Semiconductor and Other Electronic Component Manufacturing | 1,215 | 1,116 | -99 | -8.15% |
| 334500 | Navigational, Measuring, Electromedical, and Control Instruments Manufacturing | 258 | 187 | -71 | -27.52% |
| *335000* | *Electrical Equipment, Appliance, and Component Manufacturing* | *4,574* | *4,379* | *-195* | *-4.26%* |
| 335100 | Electric Lighting Equipment Manufacturing | 160 | 115 | -45 | -28.13% |
| 335200 | Household Appliance Manufacturing | 20 | 13 | -7 | -35.00% |
| 335300 | Electrical Equipment Manufacturing | 2,920 | 2,734 | -186 | -6.37% |
| 335900 | Other Electrical Equipment and Component Manufacturing | 1,474 | 1,517 | 43 | 2.92% |
| *336000* | *Transportation Equipment Manufacturing* | *14,811* | *16,454* | *1,643* | *11.09%* |
| 336200 | Motor Vehicle Body and Trailer Manufacturing | 2,418 | 2,721 | 303 | 12.53% |
| 336300 | Motor Vehicle Parts Manufacturing | 4,825 | 4,869 | 44 | 0.91% |
| 336400 | Aerospace Product and Parts Manufacturing | 3,950 | 4,692 | 742 | 18.78% |
| 336600 | Ship and Boat Building | 2,265 | 2,688 | 423 | 18.68% |
| *337000* | *Furniture and Related Product Manufacturing* | *3,412* | *2,886* | *-526* | *-15.42%* |
| *339000* | *Miscellaneous Manufacturing* | *3,564* | *3,435* | *-129* | *-3.62%* |
| 339100 | Medical Equipment and Supplies Manufacturing | 1,756 | 1,829 | 73 | 4.16% |
| 339900 | Other Miscellaneous Manufacturing | 1,808 | 1,606 | -202 | -11.17% |
|  |  |  |  |  |  |
| **102000** | **Services Providing** | **1,100,638** | **1,182,180** | **81,542** | **7.41%** |
|  |  |  |  |  |  |
| **102100** | **TRADE, TRANSPORTATION, AND UTILITIES** | **267,220** | **280,557** | **13,337** | **4.99%** |
|  |  |  |  |  |  |
| **420000** | **Wholesale Trade** | **50,832** | **53,193** | **2,361** | **4.64%** |
| *423000* | *Merchant Wholesalers, Durable Goods* | *27,192* | *28,782* | *1,590* | *5.85%* |
| *424000* | *Merchant Wholesalers, Nondurable Goods* | *19,838* | *20,922* | *1,084* | *5.46%* |
| *425000* | *Wholesale Electronic Markets and Agents and Brokers* | *3,802* | *3,489* | *-313* | *-8.23%* |

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| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **440000** | **Retail Trade** | **142,788** | **149,455** | **6,667** | **4.67%** |
| *441000* | *Motor Vehicle and Parts Dealers* | *19,541* | *20,065* | *524* | *2.68%* |
| 441100 | Automobile Dealers | 11,648 | 11,781 | 133 | 1.14% |
| 441200 | Other Motor Vehicle Dealers | 1,928 | 2,271 | 343 | 17.79% |
| 441300 | Automotive Parts, Accessories, and Tire Retailers | 5,965 | 6,013 | 48 | 0.80% |
| *444000* | *Building Material and Garden Equipment and Supplies Dealers* | *13,273* | *13,798* | *525* | *3.96%* |
| 444100 | Building Material and Supplies Dealers | 10,876 | 11,103 | 227 | 2.09% |
| 444200 | Lawn and Garden Equipment and Supplies Retailers | 2,397 | 2,695 | 298 | 12.43% |
| *445000* | *Food and Beverage Retailers* | *20,875* | *22,247* | *1,372* | *6.57%* |
| *449000* | *Furniture, Home Furnishings, Electronics, and Appliance Retailers* | *6,493* | *6,100* | *-393* | *-6.05%* |
| 449100 | Furniture and Home Furnishings Retailers | 3,506 | 3,446 | -60 | -1.71% |
| 449200 | Electronics and Appliance Retailers | 2,987 | 2,654 | -333 | -11.15% |
| *455000* | *General Merchandise Retailers* | *40,199* | *42,138* | *1,939* | *4.82%* |
| *456000* | *Health and Personal Care Retailers* | *9,131* | *9,731* | *600* | *6.57%* |
| *457000* | *Gasoline Stations and Fuel Dealers* | *13,588* | *13,938* | *350* | *2.58%* |
| 457100 | Gasoline Stations | 13,110 | 13,505 | 395 | 3.01% |
| 457200 | Fuel Dealers | 478 | 433 | -45 | -9.41% |
| *458000* | *Clothing, Clothing Accessories, Shoe, and Jewelry Retailers* | *7,214* | *6,790* | *-424* | *-5.88%* |
| 458100 | Clothing and Clothing Accessories Retailers | 5,568 | 5,358 | -210 | -3.77% |
| 458200 | Shoe Retailers | 982 | 821 | -161 | -16.40% |
| 458300 | Jewelry, Luggage, and Leather Goods Retailers | 664 | 611 | -53 | -7.98% |
| *459000* | *Sporting Goods, Hobby, Musical Instrument, Book, and Miscellaneous Retailers* | *12,474* | *14,648* | *2,174* | *17.43%* |
| 4590A1 | Miscellaneous Store Retailers (4594 and 4595 Only) | 3,830 | 4,478 | 648 | 16.92% |
| 459100 | Sporting Goods, Hobby, and Musical Instrument Retailers | 4,001 | 4,625 | 624 | 15.60% |
| 459200 | Book Retailers and News Dealers | 389 | 429 | 40 | 10.28% |
| 459300 | Florists | 661 | 748 | 87 | 13.16% |
| 459900 | Other Miscellaneous Retailers | 3,593 | 4,368 | 775 | 21.57% |

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| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **480000** | **Transportation and Warehousing** | **65,893** | **69,646** | **3,753** | **5.70%** |
| *481000* | *Air Transportation* | *573* | *595* | *22* | *3.84%* |
| 481100 | Scheduled Air Transportation | 492 | 523 | 31 | 6.30% |
| 481200 | Nonscheduled Air Transportation | 81 | 72 | -9 | -11.11% |
| *483000* | *Water Transportation* | *27* | *27* | *0* | *0.00%* |
| *484000* | *Truck Transportation* | *33,147* | *33,709* | *562* | *1.70%* |
| *485000* | *Transit and Ground Passenger Transportation* | *1,440* | *1,482* | *42* | *2.92%* |
| 485100 | Urban Transit Systems | 82 | 64 | -18 | -21.95% |
| 485300 | Taxi and Limousine Service | 238 | 226 | -12 | -5.04% |
| 485400 | School and Employee Bus Transportation | 329 | 297 | -32 | -9.73% |
| 485900 | Other Transit and Ground Passenger Transportation | 701 | 810 | 109 | 15.55% |
| *486000* | *Pipeline Transportation* | *494* | *405* | *-89* | *-18.02%* |
| 486200 | Pipeline Transportation of Natural Gas | 316 | 253 | -63 | -19.94% |
| 488000 | Support Activities for Transportation | 6,256 | 6,882 | 626 | 10.01% |
| *488100* | *Support Activities for Air Transportation* | *1,530* | *1,706* | *176* | *11.50%* |
| 488200 | Support Activities for Rail Transportation | 595 | 600 | 5 | 0.84% |
| 488300 | Support Activities for Water Transportation | 448 | 439 | -9 | -2.01% |
| 488400 | Support Activities for Road Transportation | 929 | 1,057 | 128 | 13.78% |
| 488500 | Freight Transportation Arrangement | 2,668 | 2,996 | 328 | 12.29% |
| 488900 | Other Support Activities for Transportation | 86 | 84 | -2 | -2.33% |
| *492000* | *Couriers and Messengers* | *6,410* | *7,530* | *1,120* | *17.47%* |
| 492100 | Couriers and Express Delivery Services | 5,571 | 6,545 | 974 | 17.48% |
| 492200 | Local Messengers and Local Delivery | 839 | 985 | 146 | 17.40% |
| *493000* | *Warehousing and Storage* | *14,947* | *16,933* | *1,986* | *13.29%* |
|  |  |  |  |  |  |
| **220000** | **Utilities** | **7,707** | **8,263** | **556** | **7.21%** |
| 221100 | Electric Power Generation, Transmission and Distribution | 5,659 | 6,147 | 488 | 8.62% |
| 221200 | Natural Gas Distribution | 1,045 | 948 | -97 | -9.28% |
| 221300 | Water, Sewage and Other Systems | 1,003 | 1,168 | 165 | 16.45% |

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| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **102200** | **INFORMATION** | **12,796** | **12,829** | **33** | **0.26%** |
|  |  |  |  |  |  |
| *512000* | *Motion Picture and Sound Recording Industries* | *1,113* | *1,232* | *119* | *10.69%* |
| 512100 | Motion Picture and Video Industries | 1,086 | 1,202 | 116 | 10.68% |
| 512200 | Sound Recording Industries | 27 | 30 | 3 | 11.11% |
| *513000* | *Publishing Industries* | *2,147* | *1,876* | *-271* | *-12.62%* |
| 513100 | Newspaper, Periodical, Book, and Directory Publishers | 1,587 | 1,321 | -266 | -16.76% |
| 513200 | Software Publishers | 560 | 555 | -5 | -0.89% |
| *516000* | *Broadcasting and Content Providers* | *1,445* | *1,265* | *-180* | *-12.46%* |
| 516100 | Radio and Television Broadcasting Stations | 1,033 | 891 | -142 | -13.75% |
| 516200 | Media Streaming Distribution Services, Social Networks, and Other Media Networks and Content Providers | 412 | 374 | -38 | -9.22% |
| *517000* | *Telecommunications* | *3,297* | *2,918* | *-379* | *-11.50%* |
| *518000* | *Computing Infrastructure Providers, Data Processing, Web Hosting, and Related Services* | *4,609* | *5,327* | *718* | *15.58%* |
| *519000* | *Web Search Portals, Libraries, Archives, and Other Information Services* | *185* | *211* | *26* | *14.05%* |
|  |  |  |  |  |  |
| **102300** | **FINANCIAL ACTIVITIES** | **70,160** | **75,976** | **5,816** | **8.29%** |
|  |  |  |  |  |  |
| **520000** | **Finance and Insurance** | **55,353** | **60,356** | **5,003** | **9.04%** |
| *522000* | *Credit Intermediation and Related Activities* | *20,289* | *20,529* | *240* | *1.18%* |
| *523000* | *Securities, Commodity Contracts, and Other Financial Investments and Related Activities* | *3,259* | *3,454* | *195* | *5.98%* |
| *524000* | *Insurance Carriers and Related Activities* | *31,692* | *36,250* | *4,558* | *14.38%* |
| 524100 | Insurance Carriers | 22,763 | 26,518 | 3,755 | 16.50% |
| 524200 | Agencies, Brokerages, and Other Insurance Related Activities | 8,929 | 9,732 | 803 | 8.99% |
|  |  |  |  |  |  |
| 530000 | **Real Estate and Rental and Leasing** | **14,807** | **15,620** | **813** | **5.49%** |
| *531000* | *Real Estate* | *10,822* | *11,762* | *940* | *8.69%* |
| *532000* | *Rental and Leasing Services* | *3,920* | *3,807* | *-113* | *-2.88%* |

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| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| *533000* | *Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)* | *65* | *51* | *-14* | *-21.54%* |
|  |  |  |  |  |  |
| **102400** | **PROFESSIONAL AND BUSINESS SERVICES** | **154,148** | **171,987** | **17,839** | **11.57%** |
|  |  |  |  |  |  |
| 540000 | **Professional, Scientific, and Technical Services** | **48,286** | **55,149** | **6,863** | **14.21%** |
| *541000* | *Professional, Scientific, and Technical Services* | *48,286* | *55,149* | *6,863* | *14.21%* |
| 541100 | Legal Services | 6,242 | 6,280 | 38 | 0.61% |
| 541200 | Accounting, Tax Preparation, Bookkeeping, and Payroll Services | 6,462 | 7,132 | 670 | 10.37% |
| 541300 | Architectural, Engineering, and Related Services | 7,312 | 7,864 | 552 | 7.55% |
| 541400 | Specialized Design Services | 515 | 550 | 35 | 6.80% |
| 541500 | Computer Systems Design and Related Services | 9,511 | 11,317 | 1,806 | 18.99% |
| 541600 | Management, Scientific, and Technical Consulting Services | 8,318 | 10,352 | 2,034 | 24.45% |
| 541700 | Scientific Research and Development Services | 1,011 | 1,263 | 252 | 24.93% |
| 541800 | Advertising, Public Relations, and Related Services | 4,193 | 5,054 | 861 | 20.53% |
| 541900 | Other Professional, Scientific, and Technical Services | 4,722 | 5,337 | 615 | 13.02% |
|  |  |  |  |  |  |
| **550000** | **Management of Companies and Enterprises** | **37,605** | **43,705** | **6,100** | **16.22%** |
|  |  |  |  |  |  |
| **560000** | **Administrative and Support and Waste Management and Remediation Services** | **68,257** | **73,133** | **4,876** | **7.14%** |
|  |  |  |  |  |  |
| *561000* | *Administrative and Support Services* | *64,024* | *68,112* | *4,088* | *6.39%* |
| 561100 | Office Administrative Services | 4,522 | 5,368 | 846 | 18.71% |
| 561200 | Facilities Support Services | 775 | 931 | 156 | 20.13% |
| 561300 | Employment Services | 28,081 | 29,508 | 1,427 | 5.08% |
| 561400 | Business Support Services | 8,002 | 6,733 | -1,269 | -15.86% |
| 561500 | Travel Arrangement and Reservation Services | 311 | 293 | -18 | -5.79% |
| 561600 | Investigation and Security Services | 4,855 | 5,233 | 378 | 7.79% |
| 561700 | Services to Buildings and Dwellings | 16,265 | 18,827 | 2,562 | 15.75% |

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| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| 561900 | Other Support Services | 1,213 | 1,219 | 6 | 0.49% |
| *562000* | *Waste Management and Remediation Services* | *4,233* | *5,021* | *788* | *18.62%* |
| 562100 | Waste Collection | 1,470 | 1,749 | 279 | 18.98% |
| 562200 | Waste Treatment and Disposal | 1,267 | 1,448 | 181 | 14.29% |
| 562900 | Remediation and Other Waste Management Services | 1,496 | 1,824 | 328 | 21.93% |
|  |  |  |  |  |  |
| **102500** | **EDUCATION AND HEALTH SERVICES** | **304,743** | **332,035** | **27,292** | **8.96%** |
|  |  |  |  |  |  |
| **610000** | **Educational Services** | **108,626** | **109,903** | **1,277** | **1.18%** |
| 611100 | Elementary and Secondary Schools | 72,262 | 73,173 | 911 | 1.26% |
| 611200 | Junior Colleges | 6,753 | 6,839 | 86 | 1.27% |
| 611300 | Colleges, Universities, and Professional Schools | 25,369 | 25,484 | 115 | 0.45% |
| 611400 | Business Schools and Computer and Management Training | 184 | 199 | 15 | 8.15% |
| 611500 | Technical and Trade Schools | 1,319 | 1,357 | 38 | 2.88% |
| 611600 | Other Schools and Instruction | 2,061 | 2,132 | 71 | 3.44% |
| 611700 | Educational Support Services | 678 | 719 | 41 | 6.05% |
|  |  |  |  |  |  |
| **620000** | **Health Care and Social Assistance** | **196,117** | **222,132** | **26,015** | **13.27%** |
| *621000* | *Ambulatory Health Care Services* | *62,725* | *73,683* | *10,958* | *17.47%* |
| 621100 | Offices of Physicians | 27,075 | 32,003 | 4,928 | 18.20% |
| 621200 | Offices of Dentists | 7,779 | 9,331 | 1,552 | 19.95% |
| 621300 | Offices of Other Health Practitioners | 11,050 | 13,288 | 2,238 | 20.25% |
| 621400 | Outpatient Care Centers | 5,770 | 6,964 | 1,194 | 20.69% |
| 621500 | Medical and Diagnostic Laboratories | 1,666 | 1,900 | 234 | 14.05% |
| 621600 | Home Health Care Services | 6,272 | 6,688 | 416 | 6.63% |
| 621900 | Other Ambulatory Health Care Services | 3,113 | 3,509 | 396 | 12.72% |
| *622000* | *Hospitals* | *68,821* | *74,964* | *6,143* | *8.93%* |
| 622100 | General Medical and Surgical Hospitals | 53,477 | 57,495 | 4,018 | 7.51% |
| 622200 | Psychiatric and Substance Abuse Hospitals | 9,188 | 9,897 | 709 | 7.72% |

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| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| 622300 | Specialty (except Psychiatric and Substance Abuse) Hospitals | 6,156 | 7,572 | 1,416 | 23.00% |
| *623000* | *Nursing and Residential Care Facilities* | *26,882* | *27,376* | *494* | *1.84%* |
| 623100 | Nursing Care Facilities (Skilled Nursing Facilities) | 17,743 | 17,273 | -470 | -2.65% |
| 623200 | Residential Intellectual & Developmental Disability, Mental Health, & Substance Abuse Facilities | 3,984 | 4,188 | 204 | 5.12% |
| 623300 | Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly | 4,199 | 4,950 | 751 | 17.89% |
| 623900 | Other Residential Care Facilities | 956 | 965 | 9 | 0.94% |
| 624000 | Social Assistance | 37,689 | 46,109 | 8,420 | 22.34% |
| 624100 | Individual and Family Services | 22,887 | 28,470 | 5,583 | 24.39% |
| 624200 | Community Food and Housing, and Emergency and Other Relief Services | 1,480 | 1,744 | 264 | 17.84% |
| 624300 | Vocational Rehabilitation Services | 2,511 | 2,326 | -185 | -7.37% |
| 624400 | Child Day Care Services | 10,811 | 13,569 | 2,758 | 25.51% |
|  |  |  |  |  |  |
| **102600** | **LEISURE AND HOSPITALITY** | **122,878** | **130,550** | **7,672** | **6.24%** |
|  |  |  |  |  |  |
| **710000** | **Arts, Entertainment, and Recreation** | **12,904** | **14,303** | **1,399** | **10.84%** |
| *711000* | *Performing Arts, Spectator Sports, and Related Industries* | *2,503* | *2,697* | *194* | *7.75%* |
| 711100 | Performing Arts Companies | 536 | 361 | -175 | -32.65% |
| 711200 | Spectator Sports | 1,068 | 1,203 | 135 | 12.64% |
| 711300 | Promoters of Performing Arts, Sports, and Similar Events | 754 | 962 | 208 | 27.59% |
| 711400 | Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures | 49 | 72 | 23 | 46.94% |
| 711500 | Independent Artists, Writers, and Performers | 96 | 99 | 3 | 3.13% |
| *712000* | *Museums, Historical Sites, and Similar Institutions* | *842* | *1,002* | *160* | *19.00%* |
| *713000* | *Amusement, Gambling, and Recreation Industries* | *9,559* | *10,604* | *1,045* | *10.93%* |
| 713100 | Amusement Parks and Arcades | 416 | 441 | 25 | 6.01% |
| 713200 | Gambling Industries | 1,506 | 1,780 | 274 | 18.19% |
| 713900 | Other Amusement and Recreation Industries | 7,637 | 8,383 | 746 | 9.77% |

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| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **720000** | **Accommodation and Food Services** | **109,974** | **116,247** | **6,273** | **5.70%** |
| *721000* | *Accommodation, including Hotels and Motels* | *11,325* | *11,709* | *384* | *3.39%* |
| 721100 | Traveler Accommodation | 10,676 | 10,980 | 304 | 2.85% |
| 721200 | RV (Recreational Vehicle) Parks and Recreational Camps | 561 | 640 | 79 | 14.08% |
| 721300 | Rooming and Boarding Houses, Dormitories, and Workers' Camps | 88 | 89 | 1 | 1.14% |
| *722000* | *Food Services and Drinking Places* | *98,649* | *104,538* | *5,889* | *5.97%* |
| 722300 | Special Food Services | 5,219 | 5,973 | 754 | 14.45% |
| 722400 | Drinking Places (Alcoholic Beverages) | 1,016 | 1,020 | 4 | 0.39% |
| 722500 | Restaurants and Other Eating Places | 92,414 | 97,545 | 5,131 | 5.55% |
|  |  |  |  |  |  |
| **102700** | **OTHER SERVICES (EXCEPT GOVERNMENT)** | **76,315** | **85,634** | **9,319** | **12.21%** |
|  |  |  |  |  |  |
| *811000* | *Repair and Maintenance* | *12,216* | *13,229* | *1,013* | *8.29%* |
| 811100 | Automotive Repair and Maintenance | 7,677 | 8,042 | 365 | 4.75% |
| 811200 | Electronic and Precision Equipment Repair and Maintenance | 839 | 852 | 13 | 1.55% |
| 811300 | Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance | 2,926 | 3,564 | 638 | 21.80% |
| 811400 | Personal and Household Goods Repair and Maintenance | 774 | 771 | -3 | -0.39% |
| *812000* | *Personal and Laundry Services* | *7,673* | *7,763* | *90* | *1.17%* |
| 812100 | Personal Care Services | 2,872 | 3,113 | 241 | 8.39% |
| 812200 | Death Care Services | 1,496 | 1,402 | -94 | -6.28% |
| 812300 | Drycleaning and Laundry Services | 1,794 | 1,486 | -308 | -17.17% |
| 812900 | Other Personal Services | 1,511 | 1,762 | 251 | 16.61% |
| *813000* | *Religious, Grantmaking, Civic, Professional, and Similar Organizations* | *49,446* | *58,394* | *8,948* | *18.10%* |
| 813100 | Religious Organizations | 32,133 | 34,644 | 2,511 | 7.81% |
| 813200 | Grantmaking and Giving Services | 6,011 | 7,737 | 1,726 | 28.71% |
| 813300 | Social Advocacy Organizations | 5,788 | 8,820 | 3,032 | 52.38% |
| 813400 | Civic and Social Organizations | 1,138 | 1,081 | -57 | -5.01% |
| 813900 | Business, Professional, Labor, Political, and Similar Organizations | 4,376 | 6,112 | 1,736 | 39.67% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| *814000* | *Private Households* | *6,980* | *6,248* | *-732* | *-10.49%* |
|  |  |  |  |  |  |
| **102800** | **GOVERNMENT** | **92,378** | **92,612** | **234** | **0.25%** |
|  |  |  |  |  |  |
| *910000* | *Total Federal Government Employment* | *20,672* | *20,536* | *-136* | *-0.66%* |
| 491100 | Postal Service | 5,472 | 5,267 | -205 | -3.75% |
| 999100 | Federal Government, Excluding Post Office | 15,200 | 15,269 | 69 | 0.45% |
| 999200 | State Government, Excluding Education and Hospitals | 31,624 | 31,092 | -532 | -1.68% |
| 999300 | Local Government, Excluding Education and Hospitals | 40,082 | 40,984 | 902 | 2.25% |

**Explanation of Long-Term Occupational Projections Data Arkansas-Statewide**

**2022-2032**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Openings** | | | | **Education/ Training Codes** |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **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 2032 | Total number of jobs an occupation is expected to gain or lose over the 2022  to 2032 period | Percent change in the number of jobs in an occupation over the 2022 to  2032  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 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 83  for definitions. |

**2022-2032 Arkansas Statewide Occupational Projections by Major Group**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **00-0000** | **Total, All Occupations** | **1,451,508** | **1,541,226** | **89,718** | **6.18%** | **72,991** | **90,295** | **8,972** | **172,258** |
| **11-0000** | Management Occupations | 145,070 | 155,281 | 10,211 | 7.04% | 5,870 | 6,542 | 1,021 | 13,433 |
| **13-0000** | Business and Financial Operations Occupations | 74,351 | 83,020 | 8,669 | 11.66% | 2,452 | 3,718 | 867 | 7,037 |
| **15-0000** | Computer and Mathematical Occupations | 25,669 | 30,103 | 4,434 | 17.27% | 627 | 1,025 | 443 | 2,095 |
| **17-0000** | Architecture and Engineering Occupations | 13,355 | 14,657 | 1,302 | 9.75% | 402 | 543 | 130 | 1,075 |
| **19-0000** | Life, Physical, and Social Science Occupations | 7,802 | 8,488 | 686 | 8.79% | 175 | 553 | 69 | 797 |
| **21-0000** | Community and Social Service Occupations | 33,932 | 37,943 | 4,011 | 11.82% | 1,463 | 1,675 | 401 | 3,539 |
| **23-0000** | Legal Occupations | 7,895 | 8,453 | 558 | 7.07% | 236 | 260 | 56 | 552 |
| **25-0000** | Educational Instruction and Library Occupations | 78,937 | 82,708 | 3,771 | 4.78% | 3,441 | 3,333 | 377 | 7,151 |
| **27-0000** | Arts, Design, Entertainment, Sports, and Media Occupations | 16,204 | 17,551 | 1,347 | 8.31% | 716 | 960 | 135 | 1,811 |
| **29-0000** | Healthcare Practitioners and Technical Occupations | 91,662 | 102,490 | 10,828 | 11.81% | 3,109 | 2,402 | 1,083 | 6,594 |
| **31-0000** | Healthcare Support Occupations | 56,788 | 65,102 | 8,314 | 14.64% | 4,028 | 4,641 | 831 | 9,500 |
| **33-0000** | Protective Service Occupations | 25,707 | 26,283 | 576 | 2.24% | 1,184 | 1,479 | 58 | 2,721 |
| **35-0000** | Food Preparation and Serving Related Occupations | 107,150 | 113,767 | 6,617 | 6.18% | 9,590 | 11,395 | 662 | 21,647 |
| **37-0000** | Building and Grounds Cleaning and Maintenance Occupations | 44,929 | 48,094 | 3,165 | 7.04% | 2,947 | 3,289 | 316 | 6,552 |
| **39-0000** | Personal Care and Service Occupations | 27,373 | 30,402 | 3,029 | 11.07% | 1,978 | 2,976 | 303 | 5,257 |
| **41-0000** | Sales and Related Occupations | 128,773 | 133,491 | 4,718 | 3.66% | 7,764 | 9,399 | 472 | 17,635 |
| **43-0000** | Office and Administrative Support Occupations | 164,152 | 161,422 | -2,730 | -1.66% | 8,636 | 9,744 | -273 | 18,107 |
| **45-0000** | Farming, Fishing, and Forestry Occupations | 16,037 | 15,948 | -89 | -0.55% | 884 | 1,450 | -9 | 2,325 |
| **47-0000** | Construction and Extraction Occupations | 57,050 | 60,551 | 3,501 | 6.14% | 2,032 | 2,993 | 350 | 5,375 |
| **49-0000** | Installation, Maintenance, and Repair Occupations | 61,559 | 66,079 | 4,520 | 7.34% | 2,430 | 3,072 | 452 | 5,954 |
| **51-0000** | Production Occupations | 117,072 | 118,127 | 1,055 | 0.90% | 5,120 | 7,526 | 106 | 12,752 |
| **53-0000** | Transportation and Material Moving Occupations | 150,041 | 161,266 | 11,225 | 7.48% | 7,909 | 11,319 | 1,122 | 20,350 |

**Occupational Outlook**

Arkansas occupations are projected to gain 89,718 jobs, or 6.18 percent, by 2032. A total of 172,258 annual openings are expected each year of the projection period. Of these, 72,991 would be due to employees leaving the workforce, while 90,295 would be due to those changing jobs. Growth and expansion accounts for 8,972 annual job openings. All major groups except two should see positive net growth over the 10-year projection period.

The **Management Occupations** major group is expected to gain 10,211 jobs during the projection period, with 13,433 total annual job openings. Of these, 5,870 are expected to come from employees leaving the workforce, 6,542 from those changing jobs, and 1,021 from growth and expansion. The *Top Executives* occupational family is expected to lead the major group in growth, adding 3,565 jobs. General and Operations Managers is forecast to be the top growing occupation in the major group and third statewide, adding 3,621 new jobs. The *Other Management Occupations* occupational family is estimated to account for 3,062 new jobs. Medical and Health Services Managers is slated to increase employment by 31.14 percent, or 2,081 new jobs, placing the occupation among the ten highest growing occupations in the state as well as among the ten fastest growing on the Top 25 Fastest Growing Occupations list. On the negative side of the labor market, Farmers, Ranchers, and Other Agricultural Managers is expected to lose 1,751 jobs during the projection period, becoming the top declining occupation in the state.

The **Business and Financial Operations Occupations** major group is projected to gain 8,669 jobs by 2032. The group should see 7,037 annual job openings with 2,452 due to those exiting the workforce, 3,718 from those changing jobs, and 867 due to growth and expansion. The *Business Operations Specialists* occupational family is slated to add 6,238 jobs to its workforce. Management Analysts leads all occupations in the major group with 1,206 new jobs. In all, three occupations within **Business and Financial Operations Occupations** are predicted to be on the Top 25 Growing Occupations list. Labor Relations Specialists is forecast to be among the ten fastest growing occupations in the state, increasing its workforce by 30.21 percent. Logisticians and Fundraisers are both included on the Top 25 Fastest Growing Occupations list, each increasing by more than 27 percent. On the negative side of the economy, Buyers and Purchasing Agents is slated to lose 57 jobs, or 1.29 percent of its workforce.

The **Computer and Mathematical Occupations** major group is expected to add 4,434 jobs, or 17.27 percent, during the projection period. Total Annual Openings could amount to 2,095 jobs with 627 annual openings due to exiting the workforce and 1,025 due to changing jobs. Another 443 openings are estimated for growth and expansion. The *Computer Occupations* minor group should see most of this growth, with 4,048 jobs expected over the 10-year period. Software Developers is anticipating the highest gain with 1,714 new jobs on the horizon, an increase of 31.97 percent, placing it as the fifth fastest growing occupation in the state and making the Top 25 Growing Occupations list. Information Security Analysts is anticipating a growth of 32.35 percent, placing it as the fourth fastest growing occupation statewide. In all, five occupations in **Computer and Mathematical Occupations** are included on the Top 25 Fastest Growing Occupations list. Despite the great outlook in computer and information technology related jobs, not every occupation is expected to see the same positive outcome. Computer Programmers could experience a loss of 161 jobs, or 6.98 percent of its workforce, placing the occupation on the Top 25 Declining Occupations list.

The **Architecture and Engineering Occupations** major group could add 1,302 jobs by 2032. The group is expected to have 1,075 total annual openings with 402 annual openings due to employees leaving the workforce, 543 from employees changing jobs, and 130 from growth and expansion. The *Engineers* minor group leads the group in numeric change, expecting to add 980 jobs during the projection period, more than 75 percent of the major group’s overall growth. In this minor group, Industrial Engineers could add 386 jobs, becoming the top growing occupation in

the major group. Aerospace Engineers is slated to be the fastest growing occupation in the major group and on the Top 25 Fastest Growing Occupations list with a gain of 26.13 percent.

The **Life, Physical, and Social Science Occupations** major group is predicted to gain 686 new jobs through the 2022-2032 projection period, an increase of 8.79 percent. Annual openings due to those leaving the workforce would amount to 175, while those changing jobs are estimated to account for 553 openings. Growth and expansion could account for an additional 69 openings, bringing total annual openings to 797. The *Life, Physical, and Social Science Technicians* minor group is expected to gain 207 jobs. Occupational Health and Safety Specialists is expected to lead the major group in numeric change, adding 100 new jobs to its workforce, while Social Science Research Assistants could be the fastest growing occupation in the major group, raising employment by 29.31 percent, placing it among the ten fastest growing occupations statewide.

The **Community and Social Services Occupations** major group is estimated to gain 4,011 new jobs during the projection period. The group could see 3,539 total annual openings with 1,463 due to exiting the workforce and 1,675 due to employees changing jobs. Another 401 annual openings would be due to growth and expansion. Clergy is slated to add 1,210 jobs to its workforce. It is also estimated that the occupation could experience 1,223 annual job openings. Social and Human Service Assistants is predicted to add 1,053 jobs, an increase of 24.27 percent, making the Top 25 Growing Occupations and Top 25 Fastest Growing Occupations lists.

The **Legal Occupations** major group is projected to add 558 jobs by 2032. Of the 552 annual openings, 236 should be due to employees exiting the workforce, while 260 would be for employees changing jobs. Growth and expansion could lead to 56 annual job openings. The *Lawyers, Judges, and Related Workers* minor group leads the group with 417 new jobs anticipated, with Lawyers accounting for 398 of those new jobs. The *Legal Support Workers* minor group also expects robust growth with 141 jobs projected to be added. Paralegals and Legal Assistants leads this minor group with 119 jobs expected.

The **Educational Instruction and Library Occupations** major group is expected to gain 3,771 jobs during the projection period. The group could see 7,151 total annual openings with annual openings due to occupational exits and occupational transfers accounting for 3,441 and 3,333 jobs respectively. Growth and expansion are expected to account for 377 annual job openings. *Postsecondary Teachers* is expected to add 680 jobs, while the *Preschool, Primary, Secondary, and Special Education School Teachers* minor group is predicted to increase by 2,128 jobs. Preschool Teachers, Except Special Education is projected to add 1,083 new jobs, a 24.95 percent increase, placing on the Top 25 Growing Occupations list as well as the Top 25 Fastest Growing Occupations list. On the negative side of the labor market, Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors is predicted to lose 36 jobs, or 11.54 percent, of its workforce, placing the occupation on the Top 25 Fastest Declining Occupations list.

The **Arts, Design, Entertainment, Sports, and Media Occupations** major group is projected to add 1,347 jobs by 2032. Of the 1,811 total annual openings, 716 of them could come from employees leaving the workforce, 960 from those changing jobs, and 135 from growth and expansion. The *Art and Design Workers* occupational family is forecast to add 578 jobs, or 9.24 percent, to its workforce. Public Relations Specialists is estimated to be the top and fastest growing occupation in **Arts, Design, Entertainment, Sports, and Media Occupations** with an anticipated gain of 310 jobs, an increase of 19.94 percent. On the negative side of the labor market, Editors is slated to lose 37 jobs, or 7.82 percent, of its workforce, while Broadcast Announcers and Radio Disc Jockeys is predicted to lose 10.38 percent of its workforce, becoming the fastest declining occupation in the major group.

The **Healthcare Practitioners and Technical Occupations** major group is estimated to add 10,828 jobs by the end of the projection period. This group could see 6,594 annual job openings with 3,109 due to employees leaving the workforce, 2,402 due to employees changing jobs, and 1,083 due to growth and expansion. The *Health Diagnosing and Treating Practitioners* occupational family anticipates adding 7,284 jobs. Driving growth is Registered Nurses, which is predicted to see continued growth with 2,162 jobs, placing it among the ten highest growing occupations in the state.

Nurse Practitioners is slated to be the fastest growing occupation statewide, increasing by 61.11 percent and placing ninth on the Top 25 Growing Occupations list. Physician Assistants is anticipated to be the second fastest, growing by 33.83 percent. The *Health Technologists and Technicians* family is predicted to experience a growth of 2,779.

**Healthcare Support Occupations** is projected to add 8,314 jobs by 2032 and is projected to be the second fastest growing major group, increasing the workforce by 14.64 percent. The group could see 9,500 total annual openings with 4,028 of the jobs due to employees leaving the workforce, 4,641 from employees changing jobs, and 831 from growth and expansion. The *Home Health and Personal Care Aides* occupational family is the biggest driver of growth, predicted to add 5,156 jobs. Home Health and Personal Care Aides is forecast to be the top growing occupation in the state, growing by 4,354, a 21.44 percent increase. Occupational Therapy Assistants is forecast to increase its workforce by 32.41 percent, becoming the third fastest growing occupation in the state. In all, seven occupations in the major group are estimated to grow by more than 20 percent between 2022 and 2032.

The **Protective Service Occupations** major group is expected to add 576 jobs over the projection period with 2,721 total annual openings. Of these, 1,184 would be from employees leaving the workforce and 1,479 coming from those changing jobs. Another 58 annual openings are estimated to be from growth and expansion. The *Other Protective Service Workers* minor group leads the major group with 475 new jobs anticipated. Within this group, Security Guards is estimated to be the top growing occupation, adding 258 new jobs. Police and Sheriff's Patrol Officers, of the *Law Enforcement Workers* occupational family, is slated to add 223 new jobs. However, Correctional Officers and Jailers could see a reduction of 365 jobs, or 7.45 percent of its workforce, becoming one of the ten highest declining industries statewide as well as the fastest declining occupation in the major group.

The **Food Preparation and Serving Related Occupations** major group is estimated to add 6,617 jobs during the projection period, a 6.18 percent increase. Of the 21,647 annual job openings, 9,590 should be due to employees leaving the workforce, while 11,395 could come from employees changing jobs. Another 662 are related to growth and expansion. The *Cooks and Food Preparation Workers* minor group leads the group with 3,088 jobs expected. Cooks, Restaurant is estimated to experience a gain of 2,984 jobs, fourth highest statewide. It is projected to be the fastest growing occupation in the **Food Preparation and Serving Related Occupations** major group with a growth of 23.79 percent. Fast Food and Counter Workers is also expected to see strong growth, adding 1,916 jobs to the workforce. On the negative side of the labor market, Waiters and Waitresses is predicted to lose 163 jobs, or 1.08 percent of its workforce. Cooks, Fast Food is forecast to cut 453 jobs, or 11.53 percent, of its workforce, placing the occupation sixth on the Top 25 Declining Occupations list.

The **Building and Grounds Cleaning and Maintenance Occupations** major group is projected to add 3,165 jobs by 2032. The group should have 6,552 total annual openings with 2,947 jobs due to employees exiting the workforce, 3,289 due to employees changing jobs, and 316 due to growth and expansion. The *Building Cleaning and Pest Control Workers* minor group is expected to add 1,726 jobs with Janitors and Cleaners, Except Maids and Housekeeping Cleaners estimated to add 1,607 of those jobs, placing it on the Top 25 Growing Occupations list. Pest Control Workers is projected to be the fastest growing occupation in the major group, increasing its workforce by 17.58 percent. On the negative side of the economy, Maids and Housekeeping Cleaners is anticipated to experience a decline of 150 jobs, 1.25 percent of its workforce.

The **Personal Care and Service Occupations** major group is expected to gain 3,029 jobs over the projection period. Of the 5,257 total annual openings, 1,978 should be due to employees leaving the workforce, while 2,976 would be due to those changing jobs. Another 303 jobs could come from growth and expansion. The *Other Personal Care and Service Workers* minor group leads the major group with 1,288 new jobs expected.

Childcare Workers is anticipated to add 909 new jobs. Animal Caretakers is slated to increase its workforce by 21.36 percent. On the reverse side of the economy, the *Funeral Service Workers* occupational family could lose 20 jobs during the projection period, or 2.74 percent of its workforce.

The **Sales and Related Occupations** major group is projected to gain 4,718 jobs by the end of 2032. The group is estimated to make available 17,635 jobs annually with 7,764 from employees leaving the workforce, 9,399 related to job change, and 472 due to growth and expansion. The *Sales Representatives, Services* occupational family is slated to grow by 2,266 jobs. Driving this growth is Insurance Sales Agents, with an anticipated increase of 1,567 jobs. Retail Salespersons is forecast to be the top growing occupation in the major group, adding 1,762 jobs, placing the occupation among the ten highest growing occupations. A few downsides in the **Sales and Related Occupations** major group include Cashiers, slated to lose 679 jobs during the projection period, becoming the fourth highest declining occupation in the state, and Advertising Sales Agents, which is estimated to cut 62 jobs between 2022 and 2032, 5.95 percent of its workforce.

The **Office and Administrative Support Occupations** major group could face a challenging outlook between 2022 and 2032, estimated to experience a decline of 2,730 jobs, 1.66 percent of its workforce. Despite this decline, 18,107 job openings are projected from this major group annually. Of these, 8,636 are projected to be connected to employees exiting the workforce, while 9,744 are related to employees transferring jobs. Around 273 annual job openings could be eliminated by the reduction of jobs. Customer Service Representatives is slated to lose 1,047 jobs between 2022 and 2032, 5.24 percent of its workforce, while Secretaries and Administrative Assistants, Except Legal, Medical, and Executive is predicted to lose 1,040 jobs, 8.54 percent of its workforce. In all, thirteen occupations within **Office and Administrative Support Occupations** made the Top 25 Declining Occupations list. At a 36.84 percent decline, Word Processors and Typists is projected to be the fastest declining occupation in the state. In all, twelve occupations within the major group made the Top 25 Fastest Declining Occupations list. There are, however, some positive outlooks in the major group. Receptionists and Information Clerks is estimated to gain 976 jobs, an increase of 7.34 percent, making the Top 25 Growing Occupations list. Cargo and Freight Agents is predicted to increase its workforce by 13.20 percent.

The **Farming, Fishing, and Forestry Occupations** major group is estimated to lose 89 jobs between 2022 and 2032. The major group is predicting 2,325 total annual openings with 884 due to employees leaving the workforce and 1,450 due to employees changing jobs. Growth and expansion are estimated to account for nine fewer openings annually. The *Forest, Conservation, and Logging Workers* family is slated to lose 68 jobs, while the *Agricultural Workers* minor group is estimated to cut 63 jobs. Farmworkers and Laborers, Crop, Nursery, and Greenhouse leads the major group with a decline of 145 jobs, placing it on the Top 25 Declining Occupations list, while Graders and Sorters, Agricultural Products is anticipated to lose 134, eight percent of its workforce. One positive outcome in the major group is Farmworkers, Farm, Ranch, and Aquacultural Animals, which is estimated to gain 110 jobs.

The **Construction and Extraction Occupations** major group is projected to gain 3,501 jobs over the projection period, with 5,375 total annual openings expected. The group is expected to have 2,032 annual openings due to employees leaving the workforce, 2,993 due to employees changing jobs, and 350 due to growth and expansion. The *Construction Trades Workers* minor group is expected to see a large gain with 2,816 jobs expected, more than 80 percent of the major group’s overall growth. Construction Laborers is slated to add 955 to its workforce, placing the occupation on the Top 25 Growing Occupations list, while Electricians is projected to gain 875 new jobs. On the negative side of the labor market, Service Unit

Operators, Oil and Gas is expected to cut 26 jobs, 8.13 percent of its workforce, while Rail-Track Laying and Maintenance Equipment Operators could see a 14.18 percent reduction in employment.

The **Installation, Maintenance, and Repair Occupations** major group is expected to gain 4,520 jobs by 2032. The major group is estimated to have 5,954 total annual openings with 2,430 due to employees leaving the workforce, 3,072 due to employees changing jobs, and 452 due to growth and expansion. The *Other Installation, Maintenance, and Repair Occupations* minor group could lead the group with 3,278 jobs projected, with Industrial Machinery Mechanics leading the major group with 1,389 new jobs anticipated, placing it on the Top 25 Growing Occupations list.

Recreational Vehicle Service Technicians is slated to increase its workforce by 28 percent, placing it on the Top 25 Fastest Growing Occupations list. On the reverse side of the economy, Telecommunications Equipment Installers and Repairers, Except Line Installers is estimated to lose 40 jobs, or

2.29 percent of its workforce, while Computer, Automated Teller, and Office Machine Repairers is set to lose 27 jobs, or 3.82 percent of its workforce.

The **Production Occupations** major group is projected to add 1,055 jobs between 2022 and 2032. The group is expected to experience 12,752 total annual openings with 5,120 due to occupational exits and 7,526 due to occupational transfers. Another 106 could come from growth and expansion. The *Metal Workers and Plastic Workers* minor group leads the major group with 609 new jobs expected. Driving this growth is Welders, Cutters, Solderers, and Brazers, which is slated to add 525 jobs to the workforce, becoming the top growing occupation in **Production Occupations.** Computer Numerically Controlled Tool Programmers is forecast to increase its workforce by 22.29 percent. On the negative side of the economy, Helpers--Production Workers is predicted to lose 415 jobs, placing among the ten highest declining occupations statewide. Cutters and Trimmers, Hand is slated to be the second fastest declining occupation in the state, losing 30.23 percent of its workforce between 2022 and 2032. In all, eight occupations in **Production Occupations** are included on the Top 25 Declining Occupations list.

**Transportation and Material Moving Occupations** is estimated to gain 11,225 jobs during the projection period, becoming the top growing major group in the state. With 20,350 total annual openings expected, 7,909 could come from employees leaving the workforce, while 11,319 would come from those changing jobs. Growth and expansion are estimated to account for 1,122 annual job openings. The *Material Moving Workers* occupational family is estimated to grow by 6,892 jobs, while the *Motor Vehicle Operators* family is estimated to add 3,998 jobs. Stockers and Order Fillers is forecast to increase its workforce by 3,672 jobs, second highest in the state, while Laborers and Freight, Stock, and Material Movers, Hand, could add 1,880, placing it among the ten highest growing occupations. Taxi Drivers is projected to raise employment levels by 26.26 percent, becoming the fastest growing occupation in the major group and included on the Top 25 Fastest Growing Occupations list.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **31-1120** | Home Health and Personal Care Aides | 20,311 | 24,665 | **4,354** | 21.44% | 1,799 | 1,500 | 435 | 3,734 |
| **53-7065** | Stockers and Order Fillers | 28,693 | 32,365 | **3,672** | 12.80% | 1,899 | 2,989 | 367 | 5,255 |
| **11-1021** | General and Operations Managers | 34,518 | 38,139 | **3,621** | 10.49% | 905 | 1,951 | 362 | 3,218 |
| **35-2014** | Cooks, Restaurant | 12,541 | 15,525 | **2,984** | 23.79% | 957 | 1,144 | 298 | 2,399 |
| **29-1141** | Registered Nurses | 28,753 | 30,915 | **2,162** | 7.52% | 990 | 614 | 216 | 1,820 |
| **11-9111** | Medical and Health Services Managers | 6,683 | 8,764 | **2,081** | 31.14% | 215 | 319 | 208 | 742 |
| **35-3023** | Fast Food and Counter Workers | 37,015 | 38,931 | **1,916** | 5.18% | 4,193 | 4,476 | 192 | 8,861 |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 29,069 | 30,949 | **1,880** | 6.47% | 1,433 | 2,438 | 188 | 4,059 |
| **29-1171** | Nurse Practitioners | 3,001 | 4,835 | **1,834** | 61.11% | 87 | 87 | 183 | 357 |
| **41-2031** | Retail Salespersons | 32,183 | 33,945 | **1,762** | 5.47% | 2,170 | 2,618 | 176 | 4,964 |
| **15-1252** | Software Developers | 5,362 | 7,076 | **1,714** | 31.97% | 107 | 222 | 171 | 500 |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 18,627 | 20,234 | **1,607** | 8.63% | 1,353 | 1,351 | 161 | 2,865 |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 36,392 | 37,992 | **1,600** | 4.40% | 1,684 | 2,179 | 160 | 4,023 |
| **41-3021** | Insurance Sales Agents | 8,594 | 10,161 | **1,567** | 18.23% | 351 | 389 | 157 | 897 |
| **11-3031** | Financial Managers | 7,096 | 8,612 | **1,516** | 21.36% | 202 | 320 | 152 | 674 |
| **49-9041** | Industrial Machinery Mechanics | 6,390 | 7,779 | **1,389** | 21.74% | 252 | 293 | 139 | 684 |
| **53-3033** | Light Truck Drivers | 10,350 | 11,645 | **1,295** | 12.51% | 498 | 644 | 130 | 1,272 |
| **21-2011** | Clergy | 12,964 | 14,174 | **1,210** | 9.33% | 542 | 560 | 121 | 1,223 |
| **13-1111** | Management Analysts | 6,683 | 7,889 | **1,206** | 18.05% | 251 | 335 | 121 | 707 |
| **13-1161** | Market Research Analysts and Marketing Specialists | 5,341 | 6,474 | **1,133** | 21.21% | 185 | 344 | 113 | 642 |
| **25-2011** | Preschool Teachers, Except Special Education | 4,340 | 5,423 | **1,083** | 24.95% | 223 | 288 | 108 | 619 |
| **13-2011** | Accountants and Auditors | 8,618 | 9,688 | **1,070** | 12.42% | 283 | 414 | 107 | 804 |
| **21-1093** | Social and Human Service Assistants | 4,338 | 5,391 | **1,053** | 24.27% | 214 | 278 | 105 | 597 |
| **43-4171** | Receptionists and Information Clerks | 13,289 | 14,265 | **976** | 7.34% | 872 | 958 | 98 | 1,928 |
| **47-2061** | Construction Laborers | 12,078 | 13,033 | **955** | 7.91% | 434 | 634 | 96 | 1,164 |

Top 25 Fastest Growing Occupations by Percent Change (50 minimum employment)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **29-1171** | Nurse Practitioners | 3,001 | 4,835 | 1,834 | **61.11%** | 87 | 87 | 183 | 357 |
| **29-1071** | Physician Assistants | 869 | 1,163 | 294 | **33.83%** | 22 | 28 | 29 | 79 |
| **31-2011** | Occupational Therapy Assistants | 503 | 666 | 163 | **32.41%** | 29 | 51 | 16 | 96 |
| **15-1212** | Information Security Analysts | 952 | 1,260 | 308 | **32.35%** | 24 | 41 | 31 | 96 |
| **15-1252** | Software Developers | 5,362 | 7,076 | 1,714 | **31.97%** | 107 | 222 | 171 | 500 |
| **11-9111** | Medical and Health Services Managers | 6,683 | 8,764 | 2,081 | **31.14%** | 215 | 319 | 208 | 742 |
| **13-1075** | Labor Relations Specialists | 384 | 500 | 116 | **30.21%** | 13 | 23 | 12 | 48 |
| **15-2031** | Operations Research Analysts | 232 | 302 | 70 | **30.17%** | 8 | 8 | 7 | 23 |
| **15-2011** | Actuaries | 58 | 75 | 17 | **29.31%** | 1 | 2 | 2 | 5 |
| **19-4061** | Social Science Research Assistants | 116 | 150 | 34 | **29.31%** | 4 | 12 | 3 | 19 |
| **49-3092** | Recreational Vehicle Service Technicians | 200 | 256 | 56 | **28.00%** | 9 | 16 | 6 | 31 |
| **13-1081** | Logisticians | 1,556 | 1,990 | 434 | **27.89%** | 48 | 92 | 43 | 183 |
| **31-2021** | Physical Therapist Assistants | 1,403 | 1,786 | 383 | **27.30%** | 77 | 139 | 38 | 254 |
| **13-1131** | Fundraisers | 1,259 | 1,600 | 341 | **27.08%** | 43 | 62 | 34 | 139 |
| **53-3054** | Taxi Drivers | 358 | 452 | 94 | **26.26%** | 21 | 19 | 9 | 49 |
| **17-2011** | Aerospace Engineers | 111 | 140 | 29 | **26.13%** | 3 | 4 | 3 | 10 |
| **11-2033** | Fundraising Managers | 543 | 681 | 138 | **25.41%** | 14 | 27 | 14 | 55 |
| **33-9011** | Animal Control Workers | 217 | 272 | 55 | **25.35%** | 12 | 10 | 6 | 28 |
| **25-2011** | Preschool Teachers, Except Special Education | 4,340 | 5,423 | 1,083 | **24.95%** | 223 | 288 | 108 | 619 |
| **17-2131** | Materials Engineers | 57 | 71 | 14 | **24.56%** | 2 | 2 | 1 | 5 |
| **29-1127** | Speech-Language Pathologists | 1,867 | 2,325 | 458 | **24.53%** | 57 | 54 | 46 | 157 |
| **21-1093** | Social and Human Service Assistants | 4,338 | 5,391 | 1,053 | **24.27%** | 214 | 278 | 105 | 597 |
| **35-2014** | Cooks, Restaurant | 12,541 | 15,525 | 2,984 | **23.79%** | 957 | 1,144 | 298 | 2,399 |
| **51-9162** | Computer Numerically Controlled Tool Programmers | 175 | 214 | 39 | **22.29%** | 6 | 12 | 4 | 22 |
| **15-1254** | Web Developers | 541 | 660 | 119 | **22.00%** | 12 | 25 | 12 | 49 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **35-3023** | Fast Food and Counter Workers | 37,015 | 38,931 | 1,916 | 5.18% | **4,193** | 4,476 | 192 | 8,861 |
| **41-2011** | Cashiers | 33,006 | 32,327 | -679 | -2.06% | **3,142** | 3,166 | -68 | 6,240 |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 42,062 | 40,311 | -1,751 | -4.16% | **2,878** | 1,372 | -175 | 4,075 |
| **41-2031** | Retail Salespersons | 32,183 | 33,945 | 1,762 | 5.47% | **2,170** | 2,618 | 176 | 4,964 |
| **53-7065** | Stockers and Order Fillers | 28,693 | 32,365 | 3,672 | 12.80% | **1,899** | 2,989 | 367 | 5,255 |
| **31-1120** | Home Health and Personal Care Aides | 20,311 | 24,665 | 4,354 | 21.44% | **1,799** | 1,500 | 435 | 3,734 |
| **43-9061** | Office Clerks, General | 29,080 | 28,727 | -353 | -1.21% | **1,747** | 1,699 | -35 | 3,411 |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 36,392 | 37,992 | 1,600 | 4.40% | **1,684** | 2,179 | 160 | 4,023 |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 29,069 | 30,949 | 1,880 | 6.47% | **1,433** | 2,438 | 188 | 4,059 |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 18,627 | 20,234 | 1,607 | 8.63% | **1,353** | 1,351 | 161 | 2,865 |
| **35-3031** | Waiters and Waitresses | 15,113 | 14,950 | -163 | -1.08% | **1,293** | 1,816 | -16 | 3,093 |
| **43-4051** | Customer Service Representatives | 19,980 | 18,933 | -1,047 | -5.24% | **1,087** | 1,526 | -105 | 2,508 |
| **31-1131** | Nursing Assistants | 16,804 | 17,518 | 714 | 4.25% | **1,086** | 1,343 | 71 | 2,500 |
| **29-1141** | Registered Nurses | 28,753 | 30,915 | 2,162 | 7.52% | **990** | 614 | 216 | 1,820 |
| **35-2014** | Cooks, Restaurant | 12,541 | 15,525 | 2,984 | 23.79% | **957** | 1,144 | 298 | 2,399 |
| **11-1021** | General and Operations Managers | 34,518 | 38,139 | 3,621 | 10.49% | **905** | 1,951 | 362 | 3,218 |
| **37-2012** | Maids and Housekeeping Cleaners | 12,021 | 11,871 | -150 | -1.25% | **890** | 802 | -15 | 1,677 |
| **43-4171** | Receptionists and Information Clerks | 13,289 | 14,265 | 976 | 7.34% | **872** | 958 | 98 | 1,928 |
| **43-3031** | Bookkeeping, Accounting, and Auditing Clerks | 12,237 | 12,089 | -148 | -1.21% | **788** | 620 | -15 | 1,393 |
| **39-9011** | Childcare Workers | 10,241 | 11,150 | 909 | 8.88% | **772** | 997 | 91 | 1,860 |
| **43-6014** | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 12,175 | 11,135 | -1,040 | -8.54% | **679** | 613 | -104 | 1,188 |
| **51-2090** | Miscellaneous Assemblers and Fabricators | 14,932 | 14,853 | -79 | -0.53% | **632** | 941 | -8 | 1,565 |
| **25-9045** | Teaching Assistants, Except Postsecondary | 10,119 | 10,791 | 672 | 6.64% | **596** | 618 | 67 | 1,281 |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 11,134 | 12,032 | 898 | 8.07% | **583** | 1,109 | 90 | 1,782 |
| **49-9071** | Maintenance and Repair Workers, General | 12,780 | 13,672 | 892 | 6.98% | **583** | 604 | 89 | 1,276 |

## Top 25 Occupations by Annual Transfers

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **35-3023** | Fast Food and Counter Workers | 37,015 | 38,931 | 1,916 | 5.18% | 4,193 | **4,476** | 192 | 8,861 |
| **41-2011** | Cashiers | 33,006 | 32,327 | -679 | -2.06% | 3,142 | **3,166** | -68 | 6,240 |
| **53-7065** | Stockers and Order Fillers | 28,693 | 32,365 | 3,672 | 12.80% | 1,899 | **2,989** | 367 | 5,255 |
| **41-2031** | Retail Salespersons | 32,183 | 33,945 | 1,762 | 5.47% | 2,170 | **2,618** | 176 | 4,964 |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 29,069 | 30,949 | 1,880 | 6.47% | 1,433 | **2,438** | 188 | 4,059 |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 36,392 | 37,992 | 1,600 | 4.40% | 1,684 | **2,179** | 160 | 4,023 |
| **11-1021** | General and Operations Managers | 34,518 | 38,139 | 3,621 | 10.49% | 905 | **1,951** | 362 | 3,218 |
| **35-3031** | Waiters and Waitresses | 15,113 | 14,950 | -163 | -1.08% | 1,293 | **1,816** | -16 | 3,093 |
| **43-9061** | Office Clerks, General | 29,080 | 28,727 | -353 | -1.21% | 1,747 | **1,699** | -35 | 3,411 |
| **43-4051** | Customer Service Representatives | 19,980 | 18,933 | -1,047 | -5.24% | 1,087 | **1,526** | -105 | 2,508 |
| **31-1120** | Home Health and Personal Care Aides | 20,311 | 24,665 | 4,354 | 21.44% | 1,799 | **1,500** | 435 | 3,734 |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 42,062 | 40,311 | -1,751 | -4.16% | 2,878 | **1,372** | -175 | 4,075 |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 18,627 | 20,234 | 1,607 | 8.63% | 1,353 | **1,351** | 161 | 2,865 |
| **31-1131** | Nursing Assistants | 16,804 | 17,518 | 714 | 4.25% | 1,086 | **1,343** | 71 | 2,500 |
| **35-2014** | Cooks, Restaurant | 12,541 | 15,525 | 2,984 | 23.79% | 957 | **1,144** | 298 | 2,399 |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 11,134 | 12,032 | 898 | 8.07% | 583 | **1,109** | 90 | 1,782 |
| **39-9011** | Childcare Workers | 10,241 | 11,150 | 909 | 8.88% | 772 | **997** | 91 | 1,860 |
| **43-4171** | Receptionists and Information Clerks | 13,289 | 14,265 | 976 | 7.34% | 872 | **958** | 98 | 1,928 |
| **51-2090** | Miscellaneous Assemblers and Fabricators | 14,932 | 14,853 | -79 | -0.53% | 632 | **941** | -8 | 1,565 |
| **41-1011** | First-Line Supervisors of Retail Sales Workers | 13,710 | 13,674 | -36 | -0.26% | 534 | **808** | -4 | 1,338 |
| **37-2012** | Maids and Housekeeping Cleaners | 12,021 | 11,871 | -150 | -1.25% | 890 | **802** | -15 | 1,677 |
| **41-4012** | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 13,330 | 14,015 | 685 | 5.14% | 455 | **747** | 68 | 1,270 |
| **43-1011** | First-Line Supervisors of Office and Administrative Support Workers | 13,433 | 13,188 | -245 | -1.82% | 557 | **713** | -24 | 1,246 |
| **53-7051** | Industrial Truck and Tractor Operators | 10,742 | 11,406 | 664 | 6.18% | 355 | **708** | 66 | 1,129 |
| **53-3033** | Light Truck Drivers | 10,350 | 11,645 | 1,295 | 12.51% | 498 | **644** | 130 | 1,272 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **35-3023** | Fast Food and Counter Workers | 37,015 | 38,931 | 1,916 | 5.18% | 4,193 | 4,476 | 192 | **8,861** |
| **41-2011** | Cashiers | 33,006 | 32,327 | -679 | -2.06% | 3,142 | 3,166 | -68 | **6,240** |
| **53-7065** | Stockers and Order Fillers | 28,693 | 32,365 | 3,672 | 12.80% | 1,899 | 2,989 | 367 | **5,255** |
| **41-2031** | Retail Salespersons | 32,183 | 33,945 | 1,762 | 5.47% | 2,170 | 2,618 | 176 | **4,964** |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 42,062 | 40,311 | -1,751 | -4.16% | 2,878 | 1,372 | -175 | **4,075** |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 29,069 | 30,949 | 1,880 | 6.47% | 1,433 | 2,438 | 188 | **4,059** |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 36,392 | 37,992 | 1,600 | 4.40% | 1,684 | 2,179 | 160 | **4,023** |
| **31-1120** | Home Health and Personal Care Aides | 20,311 | 24,665 | 4,354 | 21.44% | 1,799 | 1,500 | 435 | **3,734** |
| **43-9061** | Office Clerks, General | 29,080 | 28,727 | -353 | -1.21% | 1,747 | 1,699 | -35 | **3,411** |
| **11-1021** | General and Operations Managers | 34,518 | 38,139 | 3,621 | 10.49% | 905 | 1,951 | 362 | **3,218** |
| **35-3031** | Waiters and Waitresses | 15,113 | 14,950 | -163 | -1.08% | 1,293 | 1,816 | -16 | **3,093** |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 18,627 | 20,234 | 1,607 | 8.63% | 1,353 | 1,351 | 161 | **2,865** |
| **43-4051** | Customer Service Representatives | 19,980 | 18,933 | -1,047 | -5.24% | 1,087 | 1,526 | -105 | **2,508** |
| **31-1131** | Nursing Assistants | 16,804 | 17,518 | 714 | 4.25% | 1,086 | 1,343 | 71 | **2,500** |
| **35-2014** | Cooks, Restaurant | 12,541 | 15,525 | 2,984 | 23.79% | 957 | 1,144 | 298 | **2,399** |
| **43-4171** | Receptionists and Information Clerks | 13,289 | 14,265 | 976 | 7.34% | 872 | 958 | 98 | **1,928** |
| **39-9011** | Childcare Workers | 10,241 | 11,150 | 909 | 8.88% | 772 | 997 | 91 | **1,860** |
| **29-1141** | Registered Nurses | 28,753 | 30,915 | 2,162 | 7.52% | 990 | 614 | 216 | **1,820** |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 11,134 | 12,032 | 898 | 8.07% | 583 | 1,109 | 90 | **1,782** |
| **37-2012** | Maids and Housekeeping Cleaners | 12,021 | 11,871 | -150 | -1.25% | 890 | 802 | -15 | **1,677** |
| **51-2090** | Miscellaneous Assemblers and Fabricators | 14,932 | 14,853 | -79 | -0.53% | 632 | 941 | -8 | **1,565** |
| **43-3031** | Bookkeeping, Accounting, and Auditing Clerks | 12,237 | 12,089 | -148 | -1.21% | 788 | 620 | -15 | **1,393** |
| **41-1011** | First-Line Supervisors of Retail Sales Workers | 13,710 | 13,674 | -36 | -0.26% | 534 | 808 | -4 | **1,338** |
| **25-9045** | Teaching Assistants, Except Postsecondary | 10,119 | 10,791 | 672 | 6.64% | 596 | 618 | 67 | **1,281** |
| **49-9071** | Maintenance and Repair Workers, General | 12,780 | 13,672 | 892 | 6.98% | 583 | 604 | 89 | **1,276** |

Top 25 Declining Occupations by Numeric Change

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 42,062 | 40,311 | **-1,751** | -4.16% | 2,878 | 1,372 | -175 | 4,075 |
| **43-4051** | Customer Service Representatives | 19,980 | 18,933 | **-1,047** | -5.24% | 1,087 | 1,526 | -105 | 2,508 |
| **43-6014** | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 12,175 | 11,135 | **-1,040** | -8.54% | 679 | 613 | -104 | 1,188 |
| **41-2011** | Cashiers | 33,006 | 32,327 | **-679** | -2.06% | 3,142 | 3,166 | -68 | 6,240 |
| **43-3071** | Tellers | 4,360 | 3,817 | **-543** | -12.45% | 184 | 232 | -54 | 362 |
| **35-2011** | Cooks, Fast Food | 3,929 | 3,476 | **-453** | -11.53% | 252 | 302 | -45 | 509 |
| **51-9198** | Helpers--Production Workers | 5,767 | 5,352 | **-415** | -7.20% | 374 | 492 | -42 | 824 |
| **33-3012** | Correctional Officers and Jailers | 4,902 | 4,537 | **-365** | -7.45% | 162 | 245 | -36 | 371 |
| **43-9061** | Office Clerks, General | 29,080 | 28,727 | **-353** | -1.21% | 1,747 | 1,699 | -35 | 3,411 |
| **43-5071** | Shipping, Receiving, and Inventory Clerks | 6,947 | 6,640 | **-307** | -4.42% | 280 | 405 | -31 | 654 |
| **43-4111** | Interviewers, Except Eligibility and Loan | 3,655 | 3,379 | **-276** | -7.55% | 184 | 237 | -28 | 393 |
| **43-9021** | Data Entry Keyers | 1,216 | 941 | **-275** | -22.62% | 54 | 71 | -28 | 97 |
| **43-6011** | Executive Secretaries and Executive Administrative Assistants | 1,801 | 1,542 | **-259** | -14.38% | 75 | 94 | -26 | 143 |
| **51-9196** | Paper Goods Machine Setters, Operators, and Tenders | 2,355 | 2,104 | **-251** | -10.66% | 94 | 157 | -25 | 226 |
| **43-1011** | First-Line Supervisors of Office and Administrative Support Workers | 13,433 | 13,188 | **-245** | -1.82% | 557 | 713 | -24 | 1,246 |
| **43-6012** | Legal Secretaries and Administrative Assistants | 1,013 | 806 | **-207** | -20.43% | 53 | 50 | -21 | 82 |
| **35-3031** | Waiters and Waitresses | 15,113 | 14,950 | **-163** | -1.08% | 1,293 | 1,816 | -16 | 3,093 |
| **43-3051** | Payroll and Timekeeping Clerks | 1,226 | 1,063 | **-163** | -13.30% | 55 | 59 | -16 | 98 |
| **15-1251** | Computer Programmers | 2,305 | 2,144 | **-161** | -6.98% | 55 | 79 | -16 | 118 |
| **37-2012** | Maids and Housekeeping Cleaners | 12,021 | 11,871 | **-150** | -1.25% | 890 | 802 | -15 | 1,677 |
| **43-3031** | Bookkeeping, Accounting, and Auditing Clerks | 12,237 | 12,089 | **-148** | -1.21% | 788 | 620 | -15 | 1,393 |
| **43-3011** | Bill and Account Collectors | 1,266 | 1,120 | **-146** | -11.53% | 58 | 69 | -15 | 112 |
| **45-2092** | Farmworkers and Laborers, Crop, Nursery, and Greenhouse | 5,865 | 5,720 | **-145** | -2.47% | 328 | 524 | -14 | 838 |
| **45-2041** | Graders and Sorters, Agricultural Products | 1,674 | 1,540 | **-134** | -8.00% | 87 | 144 | -13 | 218 |
| **51-2041** | Structural Metal Fabricators and Fitters | 1,042 | 916 | **-126** | -12.09% | 37 | 64 | -13 | 88 |

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **43-9022** | Word Processors and Typists | 57 | 36 | -21 | **-36.84%** | 4 | 2 | -2 | 4 |
| **51-9031** | Cutters and Trimmers, Hand | 43 | 30 | -13 | **-30.23%** | 2 | 2 | -1 | 3 |
| **43-2011** | Switchboard Operators, Including Answering Service | 269 | 204 | -65 | **-24.16%** | 10 | 13 | -6 | 17 |
| **43-9021** | Data Entry Keyers | 1,216 | 941 | -275 | **-22.62%** | 54 | 71 | -28 | 97 |
| **51-6021** | Pressers, Textile, Garment, and Related Materials | 104 | 82 | -22 | **-21.15%** | 7 | 5 | -2 | 10 |
| **43-6012** | Legal Secretaries and Administrative Assistants | 1,013 | 806 | -207 | **-20.43%** | 53 | 50 | -21 | 82 |
| **51-2021** | Coil Winders, Tapers, and Finishers | 548 | 441 | -107 | **-19.53%** | 24 | 28 | -11 | 41 |
| **43-9071** | Office Machine Operators, Except Computer | 193 | 158 | -35 | **-18.13%** | 10 | 13 | -4 | 19 |
| **51-5111** | Prepress Technicians and Workers | 131 | 109 | -22 | **-16.79%** | 7 | 8 | -2 | 13 |
| **51-5113** | Print Binding and Finishing Workers | 303 | 256 | -47 | **-15.51%** | 12 | 13 | -5 | 20 |
| **43-6011** | Executive Secretaries and Executive Administrative Assistants | 1,801 | 1,542 | -259 | **-14.38%** | 75 | 94 | -26 | 143 |
| **47-4061** | Rail-Track Laying and Maintenance Equipment Operators | 134 | 115 | -19 | **-14.18%** | 3 | 6 | -2 | 7 |
| **43-3051** | Payroll and Timekeeping Clerks | 1,226 | 1,063 | -163 | **-13.30%** | 55 | 59 | -16 | 98 |
| **43-4151** | Order Clerks | 577 | 502 | -75 | **-13.00%** | 26 | 35 | -8 | 53 |
| **47-2011** | Boilermakers | 103 | 90 | -13 | **-12.62%** | 4 | 5 | -1 | 8 |
| **51-6031** | Sewing Machine Operators | 785 | 686 | -99 | **-12.61%** | 48 | 35 | -10 | 73 |
| **43-3071** | Tellers | 4,360 | 3,817 | -543 | **-12.45%** | 184 | 232 | -54 | 362 |
| **43-4141** | New Accounts Clerks | 444 | 389 | -55 | **-12.39%** | 13 | 24 | -6 | 31 |
| **47-3011** | Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters | 106 | 93 | -13 | **-12.26%** | 4 | 7 | -1 | 10 |
| **51-2041** | Structural Metal Fabricators and Fitters | 1,042 | 916 | -126 | **-12.09%** | 37 | 64 | -13 | 88 |
| **43-4071** | File Clerks | 394 | 347 | -47 | **-11.93%** | 23 | 22 | -5 | 40 |
| **51-4193** | Plating Machine Setters, Operators, and Tenders, Metal and Plastic | 237 | 209 | -28 | **-11.81%** | 9 | 13 | -3 | 19 |
| **25-3011** | Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors | 312 | 276 | -36 | **-11.54%** | 18 | 17 | -4 | 31 |
| **53-7071** | Gas Compressor and Gas Pumping Station Operators | 52 | 46 | -6 | **-11.54%** | 2 | 3 | -1 | 4 |
| **35-2011** | Cooks, Fast Food | 3,929 | 3,476 | -453 | **-11.53%** | 252 | 302 | -45 | 509 |
| **43-3011** | Bill and Account Collectors | 1,266 | 1,120 | -146 | **-11.53%** | 58 | 69 | -15 | 112 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **00-0000** | **TOTAL, ALL OCCUPATIONS** | **1,451,508** | **1,541,226** | **89,718** | **6.18%** | **72,991** | **90,295** | **8,972** | **172,258** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **11-0000** | **Management Occupations** | **145,070** | **155,281** | **10,211** | **7.04%** | **5,870** | **6,542** | **1,021** | **13,433** |  |  |  |
| ***11-1000*** | ***Top Executives*** | ***39,806*** | ***43,371*** | ***3,565*** | ***8.96%*** | ***1,067*** | ***2,144*** | ***356*** | ***3,567*** |  |  |  |
| **11-1011** | Chief Executives | 3,932 | 3,819 | -113 | -2.87% | 120 | 135 | -11 | 244 | BD | 5+ | None |
| **11-1021** | General and Operations Managers | 34,518 | 38,139 | 3,621 | 10.49% | 905 | 1,951 | 362 | 3,218 | BD | 5+ | None |
| **11-1031** | Legislators | 1,356 | 1,413 | 57 | 4.20% | 42 | 58 | 6 | 106 | BD | <5 | None |
| ***11-2000*** | ***Advertising, Marketing, Promotions, Public Relations, and Sales Managers*** | ***4,814*** | ***5,427*** | ***613*** | ***12.73%*** | ***121*** | ***255*** | ***61*** | ***437*** |  |  |  |
| **11-2011** | Advertising and Promotions Managers | 255 | 292 | 37 | 14.51% | 6 | 18 | 4 | 28 | BD | <5 | None |
| **11-2021** | Marketing Managers | 1,259 | 1,452 | 193 | 15.33% | 32 | 74 | 19 | 125 | BD | 5+ | None |
| **11-2022** | Sales Managers | 2,274 | 2,445 | 171 | 7.52% | 57 | 113 | 17 | 187 | BD | <5 | None |
| **11-2032** | Public Relations Managers | 483 | 557 | 74 | 15.32% | 12 | 23 | 7 | 42 | BD | 5+ | None |
| **11-2033** | Fundraising Managers | 543 | 681 | 138 | 25.41% | 14 | 27 | 14 | 55 | BD | 5+ | None |
| ***11-3000*** | ***Operations Specialties Managers*** | ***18,885*** | ***21,856*** | ***2,971*** | ***15.73%*** | ***524*** | ***877*** | ***297*** | ***1,698*** |  |  |  |
| **11-3012** | Administrative Services Managers | 1,102 | 1,208 | 106 | 9.62% | 40 | 48 | 11 | 99 | BD | <5 | None |
| **11-3013** | Facilities Managers | 942 | 1,021 | 79 | 8.39% | 32 | 42 | 8 | 82 | BD | <5 | None |
| **11-3021** | Computer and Information Systems Managers | 3,409 | 4,082 | 673 | 19.74% | 73 | 166 | 67 | 306 | BD | 5+ | None |
| **11-3031** | Financial Managers | 7,096 | 8,612 | 1,516 | 21.36% | 202 | 320 | 152 | 674 | BD | 5+ | None |
| **11-3051** | Industrial Production Managers | 2,187 | 2,324 | 137 | 6.26% | 55 | 96 | 14 | 165 | BD | 5+ | None |
| **11-3061** | Purchasing Managers | 1,123 | 1,256 | 133 | 11.84% | 34 | 52 | 13 | 99 | BD | 5+ | None |
| **11-3071** | Transportation, Storage, and Distribution Managers | 1,351 | 1,504 | 153 | 11.32% | 40 | 71 | 15 | 126 | HS | 5+ | None |
| **11-3111** | Compensation and Benefits Managers | 137 | 148 | 11 | 8.03% | 3 | 5 | 1 | 9 | BD | 5+ | None |
| **11-3121** | Human Resources Managers | 1,283 | 1,414 | 131 | 10.21% | 38 | 61 | 13 | 112 | BD | 5+ | None |
| **11-3131** | Training and Development Managers | 255 | 287 | 32 | 12.55% | 7 | 14 | 3 | 24 | BD | 5+ | None |
| ***11-9000*** | ***Other Management Occupations*** | ***81,565*** | ***84,627*** | ***3,062*** | ***3.75%*** | ***4,158*** | ***3,267*** | ***306*** | ***7,731*** |  |  |  |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 42,062 | 40,311 | -1,751 | -4.16% | 2,878 | 1,372 | -175 | 4,075 | HS | 5+ | None |
| **11-9021** | Construction Managers | 3,001 | 3,250 | 249 | 8.30% | 78 | 142 | 25 | 245 | BD | None | MTOJT |
| **11-9031** | Education and Childcare Administrators, Preschool and Daycare | 1,013 | 1,186 | 173 | 17.08% | 30 | 42 | 17 | 89 | BD | <5 | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **11-9032** | Education Administrators, Kindergarten through Secondary | 2,318 | 2,388 | 70 | 3.02% | 64 | 90 | 7 | 161 | MD | 5+ | None |
| **11-9033** | Education Administrators, Postsecondary | 1,367 | 1,393 | 26 | 1.90% | 38 | 53 | 3 | 94 | MD | <5 | None |
| **11-9039** | Education Administrators, All Other | 585 | 610 | 25 | 4.27% | 16 | 23 | 2 | 41 | BD | <5 | None |
| **11-9041** | Architectural and Engineering Managers | 902 | 988 | 86 | 9.53% | 19 | 40 | 9 | 68 | BD | 5+ | None |
| **11-9051** | Food Service Managers | 4,761 | 4,974 | 213 | 4.47% | 178 | 358 | 21 | 557 | HS | <5 | STOJT |
| **11-9081** | Lodging Managers | 611 | 674 | 63 | 10.31% | 24 | 38 | 6 | 68 | HS | <5 | None |
| **11-9111** | Medical and Health Services Managers | 6,683 | 8,764 | 2,081 | 31.14% | 215 | 319 | 208 | 742 | BD | <5 | None |
| **11-9121** | Natural Sciences Managers | 306 | 327 | 21 | 6.86% | 8 | 14 | 2 | 24 | BD | 5+ | None |
| **11-9131** | Postmasters and Mail Superintendents | 180 | 174 | -6 | -3.33% | 5 | 7 | -1 | 11 | HS | <5 | MTOJT |
| **11-9141** | Property, Real Estate, and Community Association Managers | 2,545 | 2,795 | 250 | 9.82% | 112 | 91 | 25 | 228 | HS | <5 | STOJT |
| **11-9151** | Social and Community Service Managers | 2,150 | 2,610 | 460 | 21.40% | 77 | 106 | 46 | 229 | BD | <5 | None |
| **11-9161** | Emergency Management Directors | 159 | 166 | 7 | 4.40% | 4 | 7 | 1 | 12 | BD | 5+ | None |
| **11-9171** | Funeral Home Managers | 449 | 464 | 15 | 3.34% | 14 | 19 | 2 | 35 | AD | <5 | None |
| **11-9179** | Personal Service Managers, All Other | 65 | 71 | 6 | 9.23% | 2 | 3 | 1 | 6 | HS | <5 | None |
| **11-9199** | Managers, All Other | 12,356 | 13,423 | 1,067 | 8.64% | 393 | 538 | 107 | 1,038 | BD | <5 | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **13-0000** | **BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS** | **74,351** | **83,020** | **8,669** | **11.66%** | **2,452** | **3,718** | **867** | **7,037** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***13-1000*** | ***Business Operations Specialists*** | ***51,701*** | ***57,939*** | ***6,238*** | ***12.07%*** | ***1,708*** | ***2,718*** | ***624*** | ***5,050*** |  |  |  |
| **13-1020** | Buyers and Purchasing Agents | 4,431 | 4,374 | -57 | -1.29% | 163 | 233 | -6 | 390 | BD | None | MTOJT |
| **13-1031** | Claims Adjusters, Examiners, and Investigators | 4,330 | 4,664 | 334 | 7.71% | 115 | 186 | 33 | 334 | HS | None | LTOJT |
| **13-1032** | Insurance Appraisers, Auto Damage | 141 | 144 | 3 | 2.13% | 4 | 6 | 0 | 10 | PS | None | MTOJT |
| **13-1041** | Compliance Officers | 3,089 | 3,306 | 217 | 7.02% | 110 | 132 | 22 | 264 | BD | None | MTOJT |
| **13-1051** | Cost Estimators | 1,434 | 1,442 | 8 | 0.56% | 46 | 71 | 1 | 118 | BD | None | MTOJT |
| **13-1071** | Human Resources Specialists | 5,397 | 5,905 | 508 | 9.41% | 169 | 293 | 51 | 513 | BD | None | None |
| **13-1075** | Labor Relations Specialists | 384 | 500 | 116 | 30.21% | 13 | 23 | 12 | 48 | BD | <5 | None |
| **13-1081** | Logisticians | 1,556 | 1,990 | 434 | 27.89% | 48 | 92 | 43 | 183 | BD | None | None |
| **13-1082** | Project Management Specialists | 4,997 | 5,512 | 515 | 10.31% | 120 | 242 | 52 | 414 | BD | None | None |
| **13-1111** | Management Analysts | 6,683 | 7,889 | 1,206 | 18.05% | 251 | 335 | 121 | 707 | BD | <5 | None |
| **13-1121** | Meeting, Convention, and Event Planners | 758 | 909 | 151 | 19.92% | 34 | 52 | 15 | 101 | BD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **13-1131** | Fundraisers | 1,259 | 1,600 | 341 | 27.08% | 43 | 62 | 34 | 139 | BD | None | None |
| **13-1141** | Compensation, Benefits, and Job Analysis Specialists | 494 | 540 | 46 | 9.31% | 15 | 20 | 5 | 40 | BD | <5 | None |
| **13-1151** | Training and Development Specialists | 3,055 | 3,337 | 282 | 9.23% | 97 | 168 | 28 | 293 | BD | <5 | None |
| **13-1161** | Market Research Analysts and Marketing Specialists | 5,341 | 6,474 | 1,133 | 21.21% | 185 | 344 | 113 | 642 | BD | None | None |
| **13-1199** | Business Operations Specialists, All Other | 8,294 | 9,281 | 987 | 11.90% | 292 | 456 | 99 | 847 | BD | None | None |
| ***13-2000*** | ***Financial Specialists*** | ***22,650*** | ***25,081*** | ***2,431*** | ***10.73%*** | ***744*** | ***1,000*** | ***243*** | ***1,987*** |  |  |  |
| **13-2011** | Accountants and Auditors | 8,618 | 9,688 | 1,070 | 12.42% | 283 | 414 | 107 | 804 | BD | None | None |
| **13-2020** | Property Appraisers and Assessors | 970 | 1,028 | 58 | 5.98% | 49 | 33 | 6 | 88 | BD | None | LTOJT |
| **13-2031** | Budget Analysts | 378 | 379 | 1 | 0.26% | 11 | 14 | 0 | 25 | BD | None | None |
| **13-2041** | Credit Analysts | 321 | 317 | -4 | -1.25% | 7 | 15 | 0 | 22 | BD | None | None |
| **13-2051** | Financial and Investment Analysts | 1,132 | 1,295 | 163 | 14.40% | 26 | 50 | 16 | 92 | BD | None | None |
| **13-2052** | Personal Financial Advisors | 2,171 | 2,464 | 293 | 13.50% | 62 | 80 | 29 | 171 | BD | None | LTOJT |
| **13-2053** | Insurance Underwriters | 3,147 | 3,540 | 393 | 12.49% | 101 | 129 | 39 | 269 | BD | None | MTOJT |
| **13-2054** | Financial Risk Specialists | 159 | 178 | 19 | 11.95% | 4 | 7 | 2 | 13 | BD | None | None |
| **13-2061** | Financial Examiners | 434 | 528 | 94 | 21.66% | 15 | 18 | 9 | 42 | BD | None | LTOJT |
| **13-2071** | Credit Counselors | 66 | 69 | 3 | 4.55% | 2 | 3 | 0 | 5 | BD | None | MTOJT |
| **13-2072** | Loan Officers | 3,229 | 3,397 | 168 | 5.20% | 88 | 135 | 17 | 240 | BD | <5 | MTOJT |
| **13-2081** | Tax Examiners and Collectors, and Revenue Agents | 582 | 594 | 12 | 2.06% | 21 | 22 | 1 | 44 | BD | None | MTOJT |
| **13-2082** | Tax Preparers | 1,149 | 1,284 | 135 | 11.75% | 68 | 67 | 14 | 149 | HS | None | MTOJT |
| **13-2099** | Financial Specialists, All Other | 294 | 320 | 26 | 8.84% | 7 | 13 | 3 | 23 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **15-0000** | **COMPUTER AND MATHEMATICAL OCCUPATIONS** | **25,669** | **30,103** | **4,434** | **17.27%** | **627** | **1,025** | **443** | **2,095** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***15-1200*** | ***Computer Occupations*** | ***24,634*** | ***28,682*** | ***4,048*** | ***16.43%*** | ***598*** | ***982*** | ***405*** | ***1,985*** |  |  |  |
| **15-1211** | Computer Systems Analysts | 2,560 | 2,925 | 365 | 14.26% | 69 | 91 | 36 | 196 | BD | None | None |
| **15-1212** | Information Security Analysts | 952 | 1,260 | 308 | 32.35% | 24 | 41 | 31 | 96 | BD | <5 | None |
| **15-1231** | Computer Network Support Specialists | 1,325 | 1,461 | 136 | 10.26% | 34 | 57 | 14 | 105 | AD | None | MTOJT |
| **15-1232** | Computer User Support Specialists | 4,374 | 4,696 | 322 | 7.36% | 111 | 186 | 32 | 329 | SC | None | MTOJT |
| **15-1241** | Computer Network Architects | 733 | 779 | 46 | 6.28% | 14 | 26 | 5 | 45 | BD | 5+ | None |
| **15-1242** | Database Administrators | 501 | 592 | 91 | 18.16% | 14 | 18 | 9 | 41 | BD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **15-1243** | Database Architects | 306 | 346 | 40 | 13.07% | 8 | 10 | 4 | 22 | BD | <5 | None |
| **15-1244** | Network and Computer Systems Administrators | 1,579 | 1,669 | 90 | 5.70% | 33 | 56 | 9 | 98 | BD | None | None |
| **15-1251** | Computer Programmers | 2,305 | 2,144 | -161 | -6.98% | 55 | 79 | -16 | 118 | BD | None | None |
| **15-1252** | Software Developers | 5,362 | 7,076 | 1,714 | 31.97% | 107 | 222 | 171 | 500 | BD | None | None |
| **15-1254** | Web Developers | 541 | 660 | 119 | 22.00% | 12 | 25 | 12 | 49 | BD | None | None |
| **15-1255** | Web and Digital Interface Designers | 682 | 824 | 142 | 20.82% | 21 | 32 | 14 | 67 | BD | None | None |
| **15-1299** | Computer Occupations, All Other | 658 | 756 | 98 | 14.89% | 17 | 27 | 10 | 54 | BD | None | None |
| ***15-2000*** | ***Mathematical Science Occupations*** | ***1,035*** | ***1,421*** | ***386*** | ***37.29%*** | ***29*** | ***43*** | ***39*** | ***111*** |  |  |  |
| **15-2011** | Actuaries | 58 | 75 | 17 | 29.31% | 1 | 2 | 2 | 5 | BD | None | LTOJT |
| **15-2031** | Operations Research Analysts | 232 | 302 | 70 | 30.17% | 8 | 8 | 7 | 23 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **17-0000** | **ARCHITECTURE AND ENGINEERING OCCUPATIONS** | **13,355** | **14,657** | **1,302** | **9.75%** | **402** | **543** | **130** | **1,075** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***17-1000*** | ***Architects, Surveyors, and Cartographers*** | ***1,493*** | ***1,627*** | ***134*** | ***8.98%*** | ***47*** | ***50*** | ***13*** | ***110*** |  |  |  |
| **17-1011** | Architects, Except Landscape and Naval | 949 | 1,042 | 93 | 9.80% | 29 | 31 | 9 | 69 | BD | None | I/R |
| **17-1012** | Landscape Architects | 104 | 109 | 5 | 4.81% | 4 | 4 | 0 | 8 | BD | None | I/R |
| **17-1021** | Cartographers and Photogrammetrists | 54 | 57 | 3 | 5.56% | 2 | 2 | 0 | 4 | BD | None | None |
| **17-1022** | Surveyors | 386 | 419 | 33 | 8.55% | 12 | 13 | 3 | 28 | BD | None | I/R |
| ***17-2000*** | ***Engineers*** | ***8,052*** | ***9,032*** | ***980*** | ***12.17%*** | ***197*** | ***278*** | ***98*** | ***573*** |  |  |  |
| **17-2011** | Aerospace Engineers | 111 | 140 | 29 | 26.13% | 3 | 4 | 3 | 10 | BD | None | None |
| **17-2021** | Agricultural Engineers | 26 | 31 | 5 | 19.23% | 0 | 1 | 0 | 1 | BD | None | None |
| **17-2041** | Chemical Engineers | 97 | 116 | 19 | 19.59% | 2 | 3 | 2 | 7 | BD | None | None |
| **17-2051** | Civil Engineers | 2,028 | 2,174 | 146 | 7.20% | 45 | 78 | 15 | 138 | BD | None | None |
| **17-2061** | Computer Hardware Engineers | 64 | 66 | 2 | 3.13% | 1 | 2 | 0 | 3 | BD | None | None |
| **17-2071** | Electrical Engineers | 856 | 924 | 68 | 7.94% | 21 | 26 | 7 | 54 | BD | None | None |
| **17-2072** | Electronics Engineers, Except Computer | 224 | 229 | 5 | 2.23% | 5 | 7 | 0 | 12 | BD | None | None |
| **17-2081** | Environmental Engineers | 172 | 206 | 34 | 19.77% | 6 | 6 | 3 | 15 | BD | None | None |
| **17-2111** | Health and Safety Engineers, Except Mining Safety Engineers and Inspectors | 169 | 183 | 14 | 8.28% | 4 | 5 | 1 | 10 | BD | None | None |
| **17-2112** | Industrial Engineers | 2,005 | 2,391 | 386 | 19.25% | 54 | 67 | 39 | 160 | BD | None | None |
| **17-2131** | Materials Engineers | 57 | 71 | 14 | 24.56% | 2 | 2 | 1 | 5 | BD | None | None |
| **17-2141** | Mechanical Engineers | 1,012 | 1,166 | 154 | 15.22% | 24 | 35 | 15 | 74 | BD | None | None |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **17-2171** | Petroleum Engineers | 116 | 129 | 13 | 11.21% | 2 | 4 | 1 | 7 | BD | None | None |
| **17-2199** | Engineers, All Other | 964 | 1,044 | 80 | 8.30% | 24 | 33 | 8 | 65 | BD | None | None |
| ***17-3000*** | ***Drafters, Engineering Technicians, and Mapping Technicians*** | ***3,810*** | ***3,998*** | ***188*** | ***4.93%*** | ***158*** | ***215*** | ***19*** | ***392*** |  |  |  |
| **17-3011** | Architectural and Civil Drafters | 979 | 1,043 | 64 | 6.54% | 42 | 51 | 6 | 99 | AD | None | None |
| **17-3012** | Electrical and Electronics Drafters | 73 | 66 | -7 | -9.59% | 2 | 3 | -1 | 4 | AD | None | None |
| **17-3013** | Mechanical Drafters | 275 | 271 | -4 | -1.45% | 10 | 12 | 0 | 22 | AD | None | None |
| **17-3019** | Drafters, All Other | 102 | 104 | 2 | 1.96% | 4 | 5 | 0 | 9 | AD | None | None |
| **17-3022** | Civil Engineering Technologists and Technicians | 300 | 308 | 8 | 2.67% | 12 | 16 | 1 | 29 | AD | None | None |
| **17-3023** | Electrical and Electronics Engineering Technologists and Technicians | 319 | 334 | 15 | 4.70% | 17 | 15 | 2 | 34 | AD | None | None |
| **17-3025** | Environmental Engineering Technologists and Technicians | 159 | 163 | 4 | 2.52% | 6 | 8 | 0 | 14 | AD | None | None |
| **17-3026** | Industrial Engineering Technologists and Technicians | 351 | 371 | 20 | 5.70% | 14 | 19 | 2 | 35 | AD | None | None |
| **17-3027** | Mechanical Engineering Technologists and Technicians | 56 | 57 | 1 | 1.79% | 2 | 3 | 0 | 5 | AD | None | None |
| **17-3028** | Calibration Technologists and Technicians | 53 | 57 | 4 | 7.55% | 2 | 3 | 0 | 5 | AD | None | None |
| **17-3029** | Engineering Technologists and Technicians, Except Drafters, All Other | 278 | 308 | 30 | 10.79% | 11 | 15 | 3 | 29 | AD | None | None |
| **17-3031** | Surveying and Mapping Technicians | 837 | 883 | 46 | 5.50% | 36 | 64 | 5 | 105 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **19-0000** | **LIFE, PHYSICAL, AND SOCIAL SCIENCE OCCUPATIONS** | **7,802** | **8,488** | **686** | **8.79%** | **175** | **553** | **69** | **797** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***19-1000*** | ***Life Scientists*** | ***1,863*** | ***2,000*** | ***137*** | ***7.35%*** | ***30*** | ***107*** | ***14*** | ***151*** |  |  |  |
| **19-1011** | Animal Scientists | 32 | 34 | 2 | 6.25% | 0 | 2 | 0 | 2 | BD | None | None |
| **19-1012** | Food Scientists and Technologists | 259 | 290 | 31 | 11.97% | 4 | 17 | 3 | 24 | BD | None | None |
| **19-1013** | Soil and Plant Scientists | 145 | 168 | 23 | 15.86% | 2 | 10 | 2 | 14 | BD | None | None |
| **19-1022** | Microbiologists | 212 | 223 | 11 | 5.19% | 4 | 12 | 1 | 17 | BD | None | None |
| **19-1029** | Biological Scientists, All Other | 278 | 280 | 2 | 0.72% | 4 | 16 | 0 | 20 | BD | None | None |
| **19-1031** | Conservation Scientists | 158 | 159 | 1 | 0.63% | 3 | 10 | 0 | 13 | BD | None | None |
| **19-1032** | Foresters | 243 | 241 | -2 | -0.82% | 4 | 15 | 0 | 19 | BD | None | None |
| **19-1042** | Medical Scientists, Except Epidemiologists | 243 | 285 | 42 | 17.28% | 3 | 10 | 4 | 17 | DD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***19-2000*** | ***Physical Scientists*** | ***972*** | ***1,063*** | ***91*** | ***9.36%*** | ***15*** | ***58*** | ***9*** | ***82*** |  |  |  |
| **19-2021** | Atmospheric and Space Scientists | 161 | 171 | 10 | 6.21% | 2 | 11 | 1 | 14 | BD | None | None |
| **19-2031** | Chemists | 387 | 418 | 31 | 8.01% | 6 | 21 | 3 | 30 | BD | None | None |
| **19-2041** | Environmental Scientists and Specialists, Including Health | 224 | 255 | 31 | 13.84% | 4 | 15 | 3 | 22 | BD | None | None |
| **19-2042** | Geoscientists, Except Hydrologists and Geographers | 123 | 138 | 15 | 12.20% | 2 | 8 | 2 | 12 | BD | None | None |
| **19-2099** | Physical Scientists, All Other | 22 | 23 | 1 | 4.55% | 0 | 1 | 0 | 1 | BD | None | None |
| ***19-3000*** | ***Social Scientists and Related Workers*** | ***1,533*** | ***1,671*** | ***138*** | ***9.00%*** | ***35*** | ***63*** | ***14*** | ***112*** |  |  |  |
| **19-3011** | Economists | 95 | 101 | 6 | 6.32% | 2 | 4 | 1 | 7 | MD | None | None |
| **19-3033** | Clinical and Counseling Psychologists | 534 | 600 | 66 | 12.36% | 12 | 15 | 7 | 34 | DD | None | I/R |
| **19-3034** | School Psychologists | 239 | 245 | 6 | 2.51% | 4 | 11 | 1 | 16 | MD | None | I/R |
| **19-3039** | Psychologists, All Other | 314 | 343 | 29 | 9.24% | 10 | 11 | 3 | 24 | MD | None | I/R |
| **19-3051** | Urban and Regional Planners | 146 | 176 | 30 | 20.55% | 4 | 9 | 3 | 16 | MD | None | None |
| **19-3091** | Anthropologists and Archeologists | 38 | 38 | 0 | 0.00% | 1 | 2 | 0 | 3 | MD | None | None |
| **19-3099** | Social Scientists and Related Workers, All Other | 149 | 150 | 1 | 0.67% | 3 | 9 | 0 | 12 | BD | None | None |
| ***19-4000*** | ***Life, Physical, and Social Science Technicians*** | ***2,511*** | ***2,718*** | ***207*** | ***8.24%*** | ***68*** | ***249*** | ***21*** | ***338*** |  |  |  |
| **19-4012** | Agricultural Technicians | 442 | 481 | 39 | 8.82% | 12 | 49 | 4 | 65 | AD | None | MTOJT |
| **19-4013** | Food Science Technicians | 224 | 233 | 9 | 4.02% | 6 | 24 | 1 | 31 | AD | None | MTOJT |
| **19-4021** | Biological Technicians | 451 | 482 | 31 | 6.87% | 15 | 42 | 3 | 60 | BD | None | None |
| **19-4031** | Chemical Technicians | 560 | 608 | 48 | 8.57% | 12 | 55 | 5 | 72 | AD | None | MTOJT |
| **19-4042** | Environmental Science and Protection Technicians, Including Health | 133 | 153 | 20 | 15.04% | 2 | 12 | 2 | 16 | AD | None | None |
| **19-4061** | Social Science Research Assistants | 116 | 150 | 34 | 29.31% | 4 | 12 | 3 | 19 | BD | None | None |
| **19-4071** | Forest and Conservation Technicians | 246 | 247 | 1 | 0.41% | 7 | 23 | 0 | 30 | AD | None | None |
| ***19-5000*** | ***Occupational Health and Safety Specialists and Technicians*** | ***923*** | ***1,036*** | ***113*** | ***12.24%*** | ***28*** | ***75*** | ***11*** | ***114*** |  |  |  |
| **19-5011** | Occupational Health and Safety Specialists | 772 | 872 | 100 | 12.95% | 23 | 63 | 10 | 96 | BD | None | None |
| **19-5012** | Occupational Health and Safety Technicians | 151 | 164 | 13 | 8.61% | 4 | 12 | 1 | 17 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **21-0000** | **COMMUNITY AND SOCIAL SERVICE OCCUPATIONS** | **33,932** | **37,943** | **4,011** | **11.82%** | **1,463** | **1,675** | **401** | **3,539** |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***21-1000*** | ***Counselors, Social Workers, and Other***  ***Community and Social Service Specialists*** | ***16,510*** | ***18,888*** | ***2,378*** | ***14.40%*** | ***657*** | ***847*** | ***238*** | ***1,742*** |  |  |  |
| **21-1012** | Educational, Guidance, and Career Counselors and Advisors | 2,154 | 2,249 | 95 | 4.41% | 66 | 89 | 10 | 165 | MD | None | None |
| **21-1015** | Rehabilitation Counselors | 268 | 271 | 3 | 1.12% | 9 | 12 | 0 | 21 | MD | None | None |
| **21-1018** | Substance Abuse, Behavioral Disorder, and Mental Health Counselors | 2,421 | 2,943 | 522 | 21.56% | 96 | 124 | 52 | 272 | BD | None | None |
| **21-1019** | Counselors, All Other | 549 | 641 | 92 | 16.76% | 25 | 30 | 9 | 64 | MD | None | None |
| **21-1021** | Child, Family, and School Social Workers | 1,321 | 1,374 | 53 | 4.01% | 44 | 58 | 5 | 107 | BD | None | None |
| **21-1022** | Healthcare Social Workers | 1,104 | 1,231 | 127 | 11.50% | 43 | 55 | 13 | 111 | MD | None | I/R |
| **21-1023** | Mental Health and Substance Abuse Social Workers | 1,014 | 1,128 | 114 | 11.24% | 40 | 34 | 11 | 85 | MD | None | I/R |
| **21-1029** | Social Workers, All Other | 1,178 | 1,256 | 78 | 6.62% | 39 | 57 | 8 | 104 | BD | None | None |
| **21-1091** | Health Education Specialists | 217 | 240 | 23 | 10.60% | 9 | 13 | 2 | 24 | BD | None | None |
| **21-1092** | Probation Officers and Correctional Treatment Specialists | 997 | 1,006 | 9 | 0.90% | 31 | 44 | 1 | 76 | BD | None | MTOJT |
| **21-1093** | Social and Human Service Assistants | 4,338 | 5,391 | 1,053 | 24.27% | 214 | 278 | 105 | 597 | HS | None | STOJT |
| **21-1099** | Community and Social Service Specialists, All Other | 449 | 574 | 125 | 27.84% | 20 | 30 | 12 | 62 | BD | None | None |
| ***21-2000*** | ***Religious Workers*** | ***17,422*** | ***19,055*** | ***1,633*** | ***9.37%*** | ***806*** | ***828*** | ***163*** | ***1,797*** |  |  |  |
| **21-2011** | Clergy | 12,964 | 14,174 | 1,210 | 9.33% | 542 | 560 | 121 | 1,223 | BD | None | MTOJT |
| **21-2021** | Directors, Religious Activities and Education | 2,187 | 2,393 | 206 | 9.42% | 96 | 123 | 21 | 240 | BD | <5 | None |
| **21-2099** | Religious Workers, All Other | 2,271 | 2,488 | 217 | 9.56% | 168 | 145 | 22 | 335 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **23-0000** | **LEGAL OCCUPATIONS** | **7,895** | **8,453** | **558** | **7.07%** | **236** | **260** | **56** | **552** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***23-1000*** | ***Lawyers, Judges, and Related Workers*** | ***5,014*** | ***5,431*** | ***417*** | ***8.32%*** | ***122*** | ***79*** | ***42*** | ***243*** |  |  |  |
| **23-1011** | Lawyers | 4,101 | 4,499 | 398 | 9.70% | 100 | 65 | 40 | 205 | DD | None | None |
| **23-1022** | Arbitrators, Mediators, and Conciliators | 173 | 186 | 13 | 7.51% | 4 | 3 | 1 | 8 | BD | <5 | MTOJT |
| **23-1023** | Judges, Magistrate Judges, and Magistrates | 314 | 318 | 4 | 1.27% | 7 | 5 | 0 | 12 | DD | 5+ | STOJT |
| ***23-2000*** | ***Legal Support Workers*** | ***2,881*** | ***3,022*** | ***141*** | ***4.89%*** | ***114*** | ***181*** | ***14*** | ***309*** |  |  |  |
| **23-2011** | Paralegals and Legal Assistants | 2,219 | 2,338 | 119 | 5.36% | 86 | 144 | 12 | 242 | AD | None | None |
| **23-2093** | Title Examiners, Abstractors, and Searchers | 573 | 595 | 22 | 3.84% | 24 | 31 | 2 | 57 | HS | None | MTOJT |
| **23-2099** | Legal Support Workers, All Other | 89 | 89 | 0 | 0.00% | 4 | 5 | 0 | 9 | AD | None | None |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **25-0000** | **EDUCATIONAL INSTRUCTION AND LIBRARY OCCUPATIONS** | **78,937** | **82,708** | **3,771** | **4.78%** | **3,441** | **3,333** | **377** | **7,151** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***25-1000*** | ***Postsecondary Teachers*** | ***11,066*** | ***11,746*** | ***680*** | ***6.14%*** | ***502*** | ***385*** | ***68*** | ***955*** |  |  |  |
| **25-1011** | Business Teachers, Postsecondary | 594 | 619 | 25 | 4.21% | 27 | 20 | 2 | 49 | DD | None | None |
| **25-1021** | Computer Science Teachers, Postsecondary | 315 | 325 | 10 | 3.17% | 14 | 11 | 1 | 26 | DD | None | None |
| **25-1022** | Mathematical Science Teachers, Postsecondary | 449 | 456 | 7 | 1.56% | 20 | 15 | 1 | 36 | DD | None | None |
| **25-1031** | Architecture Teachers, Postsecondary | 46 | 46 | 0 | 0.00% | 2 | 2 | 0 | 4 | DD | None | None |
| **25-1032** | Engineering Teachers, Postsecondary | 321 | 342 | 21 | 6.54% | 15 | 11 | 2 | 28 | DD | None | None |
| **25-1041** | Agricultural Sciences Teachers, Postsecondary | 105 | 106 | 1 | 0.95% | 5 | 4 | 0 | 9 | DD | None | None |
| **25-1042** | Biological Science Teachers, Postsecondary | 423 | 449 | 26 | 6.15% | 19 | 15 | 3 | 37 | DD | None | None |
| **25-1051** | Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary | 70 | 70 | 0 | 0.00% | 3 | 2 | 0 | 5 | DD | None | None |
| **25-1052** | Chemistry Teachers, Postsecondary | 241 | 242 | 1 | 0.41% | 11 | 8 | 0 | 19 | DD | None | None |
| **25-1054** | Physics Teachers, Postsecondary | 95 | 96 | 1 | 1.05% | 4 | 3 | 0 | 7 | DD | None | None |
| **25-1061** | Anthropology and Archeology Teachers, Postsecondary | 42 | 43 | 1 | 2.38% | 2 | 1 | 0 | 3 | DD | None | None |
| **25-1063** | Economics Teachers, Postsecondary | 105 | 106 | 1 | 0.95% | 5 | 4 | 0 | 9 | DD | None | None |
| **25-1065** | Political Science Teachers, Postsecondary | 114 | 114 | 0 | 0.00% | 5 | 4 | 0 | 9 | DD | None | None |
| **25-1066** | Psychology Teachers, Postsecondary | 246 | 252 | 6 | 2.44% | 11 | 8 | 1 | 20 | DD | None | None |
| **25-1067** | Sociology Teachers, Postsecondary | 102 | 103 | 1 | 0.98% | 4 | 4 | 0 | 8 | DD | None | None |
| **25-1069** | Social Sciences Teachers, Postsecondary, All Other | 184 | 186 | 2 | 1.09% | 8 | 6 | 0 | 14 | DD | None | None |
| **25-1071** | Health Specialties Teachers, Postsecondary | 1,988 | 2,392 | 404 | 20.32% | 96 | 74 | 40 | 210 | DD | <5 | None |
| **25-1072** | Nursing Instructors and Teachers, Postsecondary | 650 | 767 | 117 | 18.00% | 31 | 24 | 12 | 67 | DD | <5 | None |
| **25-1081** | Education Teachers, Postsecondary | 403 | 408 | 5 | 1.24% | 18 | 14 | 0 | 32 | DD | <5 | None |
| **25-1082** | Library Science Teachers, Postsecondary | 27 | 27 | 0 | 0.00% | 1 | 1 | 0 | 2 | DD | None | None |
| **25-1111** | Criminal Justice and Law Enforcement Teachers, Postsecondary | 74 | 76 | 2 | 2.70% | 3 | 2 | 0 | 5 | DD | None | None |
| **25-1112** | Law Teachers, Postsecondary | 138 | 138 | 0 | 0.00% | 6 | 5 | 0 | 11 | DD | <5 | None |
| **25-1113** | Social Work Teachers, Postsecondary | 199 | 201 | 2 | 1.01% | 9 | 7 | 0 | 16 | DD | None | None |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **25-1121** | Art, Drama, and Music Teachers, Postsecondary | 667 | 671 | 4 | 0.60% | 30 | 23 | 0 | 53 | MD | None | None |
| **25-1122** | Communications Teachers, Postsecondary | 288 | 292 | 4 | 1.39% | 13 | 10 | 0 | 23 | DD | None | None |
| **25-1123** | English Language and Literature Teachers, Postsecondary | 514 | 512 | -2 | -0.39% | 23 | 17 | 0 | 40 | DD | None | None |
| **25-1124** | Foreign Language and Literature Teachers, Postsecondary | 162 | 160 | -2 | -1.23% | 7 | 5 | 0 | 12 | DD | None | None |
| **25-1125** | History Teachers, Postsecondary | 216 | 215 | -1 | -0.46% | 10 | 7 | 0 | 17 | DD | None | None |
| **25-1126** | Philosophy and Religion Teachers, Postsecondary | 133 | 133 | 0 | 0.00% | 6 | 4 | 0 | 10 | DD | None | None |
| **25-1192** | Family and Consumer Sciences Teachers, Postsecondary | 32 | 32 | 0 | 0.00% | 1 | 1 | 0 | 2 | DD | None | None |
| **25-1193** | Recreation and Fitness Studies Teachers, Postsecondary | 165 | 168 | 3 | 1.82% | 7 | 6 | 0 | 13 | DD | None | None |
| **25-1194** | Career/Technical Education Teachers, Postsecondary | 1,219 | 1,250 | 31 | 2.54% | 54 | 42 | 3 | 99 | BD | <5 | None |
| **25-1199** | Postsecondary Teachers, All Other | 720 | 730 | 10 | 1.39% | 32 | 24 | 1 | 57 | DD | None | None |
| ***25-2000*** | ***Preschool, Elementary, Middle,***  ***Secondary, and Special Education Teachers*** | ***40,123*** | ***42,251*** | ***2,128*** | ***5.30%*** | ***1,402*** | ***1,514*** | ***213*** | ***3,129*** |  |  |  |
| **25-2011** | Preschool Teachers, Except Special Education | 4,340 | 5,423 | 1,083 | 24.95% | 223 | 288 | 108 | 619 | AD | None | None |
| **25-2012** | Kindergarten Teachers, Except Special Education | 1,482 | 1,523 | 41 | 2.77% | 69 | 89 | 4 | 162 | BD | None | None |
| **25-2021** | Elementary School Teachers, Except Special Education | 11,871 | 12,198 | 327 | 2.75% | 404 | 396 | 33 | 833 | BD | None | None |
| **25-2022** | Middle School Teachers, Except Special and Career/Technical Education | 5,670 | 5,837 | 167 | 2.95% | 193 | 189 | 17 | 399 | BD | None | None |
| **25-2031** | Secondary School Teachers, Except Special and Career/Technical Education | 11,524 | 11,866 | 342 | 2.97% | 339 | 377 | 34 | 750 | BD | None | None |
| **25-2032** | Career/Technical Education Teachers, Secondary School | 1,104 | 1,121 | 17 | 1.54% | 32 | 36 | 2 | 70 | BD | <5 | None |
| **25-2051** | Special Education Teachers, Preschool | 383 | 432 | 49 | 12.79% | 14 | 14 | 5 | 33 | BD | None | None |
| **25-2052** | Special Education Teachers, Kindergarten and Elementary School | 1,310 | 1,336 | 26 | 1.98% | 44 | 44 | 3 | 91 | BD | None | None |
| **25-2057** | Special Education Teachers, Middle School | 896 | 911 | 15 | 1.67% | 30 | 30 | 2 | 62 | BD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **25-2058** | Special Education Teachers, Secondary School | 1,346 | 1,389 | 43 | 3.19% | 46 | 45 | 4 | 95 | BD | None | None |
| ***25-3000*** | ***Other Teachers and Instructors*** | ***2,605*** | ***2,674*** | ***69*** | ***2.65%*** | ***171*** | ***155*** | ***7*** | ***333*** |  |  |  |
| **25-3011** | Adult Basic Education, Adult Secondary  Education, and English as a Second Language Instructors | 312 | 276 | -36 | -11.54% | 18 | 17 | -4 | 31 | BD | None | None |
| **25-3021** | Self-Enrichment Teachers | 1,108 | 1,155 | 47 | 4.24% | 71 | 64 | 5 | 140 | HS | <5 | None |
| **25-3031** | Substitute Teachers, Short-Term | 156 | 168 | 12 | 7.69% | 10 | 9 | 1 | 20 | BD | None | None |
| **25-3041** | Tutors | 221 | 230 | 9 | 4.07% | 20 | 18 | 1 | 39 | SC | None | None |
| **25-3099** | Teachers and Instructors, All Other | 808 | 845 | 37 | 4.58% | 52 | 47 | 4 | 103 | BD | None | None |
| ***25-4000*** | ***Librarians, Curators, and Archivists*** | ***2,084*** | ***2,121*** | ***37*** | ***1.78%*** | ***141*** | ***99*** | ***4*** | ***244*** |  |  |  |
| **25-4011** | Archivists | 56 | 62 | 6 | 10.71% | 4 | 3 | 1 | 8 | MD | None | None |
| **25-4012** | Curators | 95 | 110 | 15 | 15.79% | 6 | 6 | 2 | 14 | MD | None | None |
| **25-4013** | Museum Technicians and Conservators | 81 | 91 | 10 | 12.35% | 5 | 5 | 1 | 11 | BD | None | None |
| **25-4022** | Librarians and Media Collections Specialists | 1,303 | 1,342 | 39 | 2.99% | 72 | 50 | 4 | 126 | MD | None | None |
| **25-4031** | Library Technicians | 549 | 516 | -33 | -6.01% | 53 | 35 | -3 | 85 | PS | None | None |
| ***25-9000*** | ***Other Educational Instruction and Library Occupations*** | ***23,059*** | ***23,916*** | ***857*** | ***3.72%*** | ***1,225*** | ***1,180*** | ***86*** | ***2,491*** |  |  |  |
| **25-9044** | Teaching Assistants, Postsecondary | 2,559 | 2,592 | 33 | 1.29% | 147 | 152 | 3 | 302 | BD | None | None |
| **25-9045** | Teaching Assistants, Except Postsecondary | 10,119 | 10,791 | 672 | 6.64% | 596 | 618 | 67 | 1,281 | SC | None | None |
| **25-9099** | Educational Instruction and Library Workers, All Other | 8,927 | 9,041 | 114 | 1.28% | 414 | 352 | 11 | 777 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **27-0000** | **ARTS, DESIGN, ENTERTAINMENT, SPORTS, AND MEDIA OCCUPATIONS** | **16,204** | **17,551** | **1,347** | **8.31%** | **716** | **960** | **135** | **1,811** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***27-1000*** | ***Art and Design Workers*** | ***6,256*** | ***6,834*** | ***578*** | ***9.24%*** | ***266*** | ***356*** | ***58*** | ***680*** |  |  |  |
| **27-1011** | Art Directors | 440 | 502 | 62 | 14.09% | 22 | 22 | 6 | 50 | BD | 5+ | None |
| **27-1012** | Craft Artists | 49 | 54 | 5 | 10.20% | 2 | 2 | 0 | 4 | NFE | None | LTOJT |
| **27-1013** | Fine Artists, Including Painters, Sculptors, and Illustrators | 51 | 55 | 4 | 7.84% | 2 | 2 | 0 | 4 | BD | None | LTOJT |
| **27-1014** | Special Effects Artists and Animators | 88 | 99 | 11 | 12.50% | 4 | 4 | 1 | 9 | BD | None | None |
| **27-1023** | Floral Designers | 493 | 525 | 32 | 6.49% | 32 | 26 | 3 | 61 | HS | None | MTOJT |
| **27-1024** | Graphic Designers | 1,691 | 1,837 | 146 | 8.63% | 50 | 90 | 15 | 155 | BD | None | None |
| **27-1025** | Interior Designers | 1,225 | 1,367 | 142 | 11.59% | 55 | 60 | 14 | 129 | BD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **27-1026** | Merchandise Displayers and Window Trimmers | 1,612 | 1,720 | 108 | 6.70% | 80 | 114 | 11 | 205 | HS | None | STOJT |
| ***27-2000*** | ***Entertainers and Performers, Sports and Related Workers*** | ***4,654*** | ***5,026*** | ***372*** | ***7.99%*** | ***255*** | ***311*** | ***37*** | ***603*** |  |  |  |
| **27-2012** | Producers and Directors | 607 | 642 | 35 | 5.77% | 18 | 33 | 4 | 55 | BD | <5 | None |
| **27-2021** | Athletes and Sports Competitors | 363 | 415 | 52 | 14.33% | 17 | 29 | 5 | 51 | NFE | None | LTOJT |
| **27-2022** | Coaches and Scouts | 2,344 | 2,582 | 238 | 10.15% | 135 | 172 | 24 | 331 | BD | None | None |
| **27-2023** | Umpires, Referees, and Other Sports Officials | 32 | 38 | 6 | 18.75% | 5 | 3 | 1 | 9 | HS | None | MTOJT |
| **27-2042** | Musicians and Singers | 786 | 804 | 18 | 2.29% | 55 | 47 | 2 | 104 | NFE | None | LTOJT |
| **27-2091** | Disc Jockeys, Except Radio | 123 | 132 | 9 | 7.32% | 5 | 5 | 1 | 11 | HS | None | STOJT |
| ***27-3000*** | ***Media and Communication Workers*** | ***3,799*** | ***4,092*** | ***293*** | ***7.71%*** | ***144*** | ***210*** | ***29*** | ***383*** |  |  |  |
| **27-3011** | Broadcast Announcers and Radio Disc Jockeys | 260 | 233 | -27 | -10.38% | 12 | 13 | -3 | 22 | BD | None | None |
| **27-3023** | News Analysts, Reporters, and Journalists | 358 | 322 | -36 | -10.06% | 15 | 22 | -4 | 33 | BD | None | None |
| **27-3031** | Public Relations Specialists | 1,555 | 1,865 | 310 | 19.94% | 41 | 93 | 31 | 165 | BD | None | None |
| **27-3041** | Editors | 473 | 436 | -37 | -7.82% | 21 | 25 | -4 | 42 | BD | <5 | None |
| **27-3042** | Technical Writers | 141 | 156 | 15 | 10.64% | 4 | 8 | 2 | 14 | BD | <5 | STOJT |
| **27-3043** | Writers and Authors | 589 | 650 | 61 | 10.36% | 28 | 32 | 6 | 66 | BD | None | LTOJT |
| **27-3091** | Interpreters and Translators | 179 | 188 | 9 | 5.03% | 9 | 9 | 1 | 19 | BD | None | None |
| ***27-4000*** | ***Media and Communication Equipment Workers*** | ***1,495*** | ***1,599*** | ***104*** | ***6.96%*** | ***52*** | ***84*** | ***10*** | ***146*** |  |  |  |
| **27-4011** | Audio and Video Technicians | 132 | 146 | 14 | 10.61% | 4 | 8 | 1 | 13 | PS | None | STOJT |
| **27-4012** | Broadcast Technicians | 132 | 122 | -10 | -7.58% | 4 | 7 | -1 | 10 | AD | None | STOJT |
| **27-4021** | Photographers | 784 | 839 | 55 | 7.02% | 30 | 41 | 6 | 77 | HS | None | MTOJT |
| **27-4031** | Camera Operators, Television, Video, and Film | 114 | 122 | 8 | 7.02% | 3 | 7 | 1 | 11 | BD | None | None |
| **27-4032** | Film and Video Editors | 105 | 122 | 17 | 16.19% | 3 | 6 | 2 | 11 | BD | None | None |
| **27-4099** | Media and Communication Equipment Workers, All Other | 189 | 208 | 19 | 10.05% | 6 | 12 | 2 | 20 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **29-0000** | **HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS** | **91,662** | **102,490** | **10,828** | **11.81%** | **3,109** | **2,402** | **1,083** | **6,594** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***29-1000*** | ***Health Diagnosing or Treating Practitioners*** | ***54,589*** | ***61,873*** | ***7,284*** | ***13.34%*** | ***1,714*** | ***1,079*** | ***728*** | ***3,521*** |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **29-1011** | Chiropractors | 453 | 505 | 52 | 11.48% | 14 | 3 | 5 | 22 | DD | None | None |
| **29-1021** | Dentists, General | 1,152 | 1,348 | 196 | 17.01% | 27 | 7 | 20 | 54 | DD | None | None |
| **29-1029** | Dentists, All Other Specialists | 27 | 27 | 0 | 0.00% | 1 | 0 | 0 | 1 | DD | None | I/R |
| **29-1031** | Dietitians and Nutritionists | 830 | 920 | 90 | 10.84% | 31 | 24 | 9 | 64 | BD | None | I/R |
| **29-1041** | Optometrists | 320 | 364 | 44 | 13.75% | 8 | 2 | 4 | 14 | DD | None | None |
| **29-1051** | Pharmacists | 3,216 | 3,420 | 204 | 6.34% | 76 | 46 | 20 | 142 | DD | None | None |
| **29-1071** | Physician Assistants | 869 | 1,163 | 294 | 33.83% | 22 | 28 | 29 | 79 | MD | None | None |
| **29-1081** | Podiatrists | 31 | 31 | 0 | 0.00% | 1 | 0 | 0 | 1 | DD | None | I/R |
| **29-1122** | Occupational Therapists | 1,383 | 1,626 | 243 | 17.57% | 44 | 38 | 24 | 106 | MD | None | None |
| **29-1123** | Physical Therapists | 2,036 | 2,413 | 377 | 18.52% | 51 | 34 | 38 | 123 | DD | None | None |
| **29-1124** | Radiation Therapists | 125 | 134 | 9 | 7.20% | 3 | 2 | 1 | 6 | AD | None | None |
| **29-1125** | Recreational Therapists | 59 | 64 | 5 | 8.47% | 2 | 2 | 0 | 4 | BD | None | None |
| **29-1126** | Respiratory Therapists | 1,535 | 1,787 | 252 | 16.42% | 51 | 31 | 25 | 107 | AD | None | None |
| **29-1127** | Speech-Language Pathologists | 1,867 | 2,325 | 458 | 24.53% | 57 | 54 | 46 | 157 | MD | None | I/R |
| **29-1128** | Exercise Physiologists | 39 | 45 | 6 | 15.38% | 1 | 1 | 1 | 3 | BD | None | None |
| **29-1129** | Therapists, All Other | 414 | 477 | 63 | 15.22% | 14 | 12 | 6 | 32 | BD | None | None |
| **29-1131** | Veterinarians | 555 | 656 | 101 | 18.20% | 14 | 6 | 10 | 30 | DD | None | None |
| **29-1141** | Registered Nurses | 28,753 | 30,915 | 2,162 | 7.52% | 990 | 614 | 216 | 1,820 | BD | None | None |
| **29-1151** | Nurse Anesthetists | 398 | 448 | 50 | 12.56% | 8 | 8 | 5 | 21 | MD | None | None |
| **29-1171** | Nurse Practitioners | 3,001 | 4,835 | 1,834 | 61.11% | 87 | 87 | 183 | 357 | MD | None | None |
| **29-1181** | Audiologists | 119 | 136 | 17 | 14.29% | 4 | 2 | 2 | 8 | DD | None | None |
| **29-1211** | Anesthesiologists | 203 | 226 | 23 | 11.33% | 4 | 1 | 2 | 7 | DD | None | I/R |
| **29-1212** | Cardiologists | 137 | 153 | 16 | 11.68% | 3 | 1 | 2 | 6 | DD | None | I/R |
| **29-1214** | Emergency Medicine Physicians | 171 | 177 | 6 | 3.51% | 4 | 1 | 1 | 6 | DD | None | I/R |
| **29-1215** | Family Medicine Physicians | 1,356 | 1,469 | 113 | 8.33% | 29 | 8 | 11 | 48 | DD | None | I/R |
| **29-1216** | General Internal Medicine Physicians | 104 | 111 | 7 | 6.73% | 2 | 1 | 1 | 4 | DD | None | I/R |
| **29-1221** | Pediatricians, General | 112 | 119 | 7 | 6.25% | 2 | 1 | 1 | 4 | DD | None | I/R |
| **29-1222** | Physicians, Pathologists | 87 | 100 | 13 | 14.94% | 2 | 1 | 1 | 4 | DD | None | I/R |
| **29-1223** | Psychiatrists | 157 | 176 | 19 | 12.10% | 3 | 1 | 2 | 6 | DD | None | I/R |
| **29-1224** | Radiologists | 262 | 291 | 29 | 11.07% | 6 | 2 | 3 | 11 | DD | None | I/R |
| **29-1229** | Physicians, All Other | 2,188 | 2,356 | 168 | 7.68% | 46 | 14 | 17 | 77 | DD | None | I/R |
| **29-1241** | Ophthalmologists, Except Pediatric | 71 | 82 | 11 | 15.49% | 1 | 0 | 1 | 2 | DD | None | I/R |
| **29-1242** | Orthopedic Surgeons, Except Pediatric | 139 | 153 | 14 | 10.07% | 2 | 1 | 1 | 4 | DD | None | I/R |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **29-1249** | Surgeons, All Other | 61 | 65 | 4 | 6.56% | 1 | 0 | 0 | 1 | DD | None | I/R |
| **29-1291** | Acupuncturists | 98 | 107 | 9 | 9.18% | 5 | 1 | 1 | 7 | MD | None | None |
| **29-1292** | Dental Hygienists | 1,619 | 1,951 | 332 | 20.51% | 77 | 39 | 33 | 149 | AD | None | None |
| ***29-2000*** | ***Health Technologists and Technicians*** | ***31,058*** | ***33,837*** | ***2,779*** | ***8.95%*** | ***1,184*** | ***1,149*** | ***278*** | ***2,611*** |  |  |  |
| **29-2010** | Clinical Laboratory Technologists and Technicians | 2,493 | 2,677 | 184 | 7.38% | 88 | 76 | 18 | 182 | BD | None | None |
| **29-2031** | Cardiovascular Technologists and Technicians | 340 | 365 | 25 | 7.35% | 12 | 10 | 2 | 24 | AD | None | None |
| **29-2032** | Diagnostic Medical Sonographers | 449 | 535 | 86 | 19.15% | 13 | 12 | 9 | 34 | AD | None | None |
| **29-2033** | Nuclear Medicine Technologists | 146 | 150 | 4 | 2.74% | 3 | 3 | 0 | 6 | AD | None | None |
| **29-2034** | Radiologic Technologists and Technicians | 2,435 | 2,688 | 253 | 10.39% | 78 | 55 | 25 | 158 | AD | None | None |
| **29-2035** | Magnetic Resonance Imaging Technologists | 355 | 396 | 41 | 11.55% | 11 | 8 | 4 | 23 | AD | <5 | None |
| **29-2042** | Emergency Medical Technicians | 1,104 | 1,186 | 82 | 7.43% | 29 | 50 | 8 | 87 | PS | None | None |
| **29-2043** | Paramedics | 1,216 | 1,311 | 95 | 7.81% | 26 | 31 | 10 | 67 | PS | <5 | None |
| **29-2052** | Pharmacy Technicians | 4,519 | 5,088 | 569 | 12.59% | 188 | 242 | 57 | 487 | HS | None | MTOJT |
| **29-2053** | Psychiatric Technicians | 1,027 | 1,134 | 107 | 10.42% | 42 | 46 | 11 | 99 | PS | <5 | STOJT |
| **29-2055** | Surgical Technologists | 1,420 | 1,536 | 116 | 8.17% | 45 | 43 | 12 | 100 | PS | None | None |
| **29-2056** | Veterinary Technologists and Technicians | 206 | 246 | 40 | 19.42% | 8 | 13 | 4 | 25 | AD | None | None |
| **29-2057** | Ophthalmic Medical Technicians | 556 | 665 | 109 | 19.60% | 31 | 34 | 11 | 76 | PS | None | None |
| **29-2061** | Licensed Practical and Licensed Vocational Nurses | 10,933 | 11,656 | 723 | 6.61% | 458 | 397 | 72 | 927 | PS | None | None |
| **29-2072** | Medical Records Specialists | 1,808 | 1,953 | 145 | 8.02% | 71 | 54 | 14 | 139 | PS | None | None |
| **29-2081** | Opticians, Dispensing | 707 | 758 | 51 | 7.21% | 30 | 30 | 5 | 65 | HS | None | LTOJT |
| **29-2091** | Orthotists and Prosthetists | 159 | 193 | 34 | 21.38% | 6 | 5 | 3 | 14 | MD | None | I/R |
| **29-2092** | Hearing Aid Specialists | 96 | 114 | 18 | 18.75% | 4 | 3 | 2 | 9 | HS | None | MTOJT |
| **29-2099** | Health Technologists and Technicians, All Other | 968 | 1,055 | 87 | 8.99% | 36 | 31 | 9 | 76 | PS | None | None |
| ***29-9000*** | ***Other Healthcare Practitioners and Technical Occupations*** | ***6,015*** | ***6,780*** | ***765*** | ***12.72%*** | ***211*** | ***174*** | ***76*** | ***461*** |  |  |  |
| **29-9021** | Health Information Technologists and Medical Registrars | 127 | 148 | 21 | 16.54% | 4 | 4 | 2 | 10 | AD | None | None |
| **29-9091** | Athletic Trainers | 172 | 193 | 21 | 12.21% | 6 | 5 | 2 | 13 | MD | None | None |
| **29-9099** | Healthcare Practitioners and Technical Workers, All Other | 5,620 | 6,336 | 716 | 12.74% | 198 | 163 | 72 | 433 | PS | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **31-0000** | **HEALTHCARE SUPPORT OCCUPATIONS** | **56,788** | **65,102** | **8,314** | **14.64%** | **4,028** | **4,641** | **831** | **9,500** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***31-1100*** | ***Home Health and Personal Care Aides;***  ***and Nursing Assistants, Orderlies, and Psychiatric Aides*** | ***38,145*** | ***43,301*** | ***5,156*** | ***13.52%*** | ***2,948*** | ***2,939*** | ***516*** | ***6,403*** |  |  |  |
| **31-1120** | Home Health and Personal Care Aides | 20,311 | 24,665 | 4,354 | 21.44% | 1,799 | 1,500 | 435 | 3,734 | HS | None | STOJT |
| **31-1131** | Nursing Assistants | 16,804 | 17,518 | 714 | 4.25% | 1,086 | 1,343 | 71 | 2,500 | PS | None | None |
| **31-1132** | Orderlies | 411 | 470 | 59 | 14.36% | 26 | 39 | 6 | 71 | HS | None | STOJT |
| **31-1133** | Psychiatric Aides | 619 | 648 | 29 | 4.68% | 37 | 56 | 3 | 96 | HS | None | STOJT |
| ***31-2000*** | ***Occupational Therapy and Physical Therapist Assistants and Aides*** | ***2,183*** | ***2,739*** | ***556*** | ***25.47%*** | ***119*** | ***215*** | ***56*** | ***390*** |  |  |  |
| **31-2011** | Occupational Therapy Assistants | 503 | 666 | 163 | 32.41% | 29 | 51 | 16 | 96 | AD | None | None |
| **31-2021** | Physical Therapist Assistants | 1,403 | 1,786 | 383 | 27.30% | 77 | 139 | 38 | 254 | AD | None | None |
| ***31-9000*** | ***Other Healthcare Support Occupations*** | ***16,460*** | ***19,062*** | ***2,602*** | ***15.81%*** | ***961*** | ***1,488*** | ***260*** | ***2,709*** |  |  |  |
| **31-9011** | Massage Therapists | 454 | 549 | 95 | 20.93% | 33 | 34 | 10 | 77 | PS | None | None |
| **31-9091** | Dental Assistants | 3,014 | 3,619 | 605 | 20.07% | 184 | 270 | 60 | 514 | PS | None | None |
| **31-9092** | Medical Assistants | 4,267 | 5,125 | 858 | 20.11% | 220 | 377 | 86 | 683 | PS | None | None |
| **31-9093** | Medical Equipment Preparers | 313 | 337 | 24 | 7.67% | 18 | 25 | 2 | 45 | HS | None | MTOJT |
| **31-9094** | Medical Transcriptionists | 270 | 248 | -22 | -8.15% | 16 | 28 | -2 | 42 | PS | None | None |
| **31-9095** | Pharmacy Aides | 194 | 202 | 8 | 4.12% | 13 | 22 | 1 | 36 | HS | None | STOJT |
| **31-9096** | Veterinary Assistants and Laboratory Animal Caretakers | 1,334 | 1,604 | 270 | 20.24% | 91 | 192 | 27 | 310 | HS | None | STOJT |
| **31-9097** | Phlebotomists | 1,025 | 1,161 | 136 | 13.27% | 54 | 85 | 14 | 153 | PS | None | None |
| **31-9099** | Healthcare Support Workers, All Other | 5,589 | 6,217 | 628 | 11.24% | 331 | 454 | 63 | 848 | HS | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **33-0000** | **PROTECTIVE SERVICE OCCUPATIONS** | **25,707** | **26,283** | **576** | **2.24%** | **1,184** | **1,479** | **58** | **2,721** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***33-1000*** | ***Supervisors of Protective Service Workers*** | ***3,766*** | ***3,888*** | ***122*** | ***3.24%*** | ***114*** | ***154*** | ***12*** | ***280*** |  |  |  |
| **33-1011** | First-Line Supervisors of Correctional Officers | 637 | 629 | -8 | -1.26% | 21 | 29 | -1 | 49 | HS | <5 | None |
| **33-1012** | First-Line Supervisors of Police and Detectives | 1,740 | 1,819 | 79 | 4.54% | 50 | 66 | 8 | 124 | HS | <5 | MTOJT |
| **33-1021** | First-Line Supervisors of Firefighting and Prevention Workers | 819 | 858 | 39 | 4.76% | 21 | 30 | 4 | 55 | PS | <5 | MTOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **33-1091** | First-line Supervisors of Security Workers | 452 | 453 | 1 | 0.22% | 18 | 23 | 0 | 41 | HS | <5 | None |
| **33-1099** | First-Line Supervisors of Protective Service Workers, All Other | 118 | 129 | 11 | 9.32% | 5 | 6 | 1 | 12 | HS | <5 | None |
| ***33-2000*** | ***Firefighting and Prevention Workers*** | ***2,350*** | ***2,470*** | ***120*** | ***5.11%*** | ***65*** | ***116*** | ***12*** | ***193*** |  |  |  |
| **33-2011** | Firefighters | 2,154 | 2,253 | 99 | 4.60% | 57 | 106 | 10 | 173 | PS | None | LTOJT |
| ***33-3000*** | ***Law Enforcement Workers*** | ***11,087*** | ***10,946*** | ***-141*** | ***-1.27%*** | ***360*** | ***536*** | ***-14*** | ***882*** |  |  |  |
| **33-3011** | Bailiffs | 95 | 94 | -1 | -1.05% | 10 | 3 | 0 | 13 | HS | None | MTOJT |
| **33-3012** | Correctional Officers and Jailers | 4,902 | 4,537 | -365 | -7.45% | 162 | 245 | -36 | 371 | HS | None | MTOJT |
| **33-3021** | Detectives and Criminal Investigators | 544 | 563 | 19 | 3.49% | 18 | 23 | 2 | 43 | HS | <5 | MTOJT |
| **33-3041** | Parking Enforcement Workers | 22 | 22 | 0 | 0.00% | 1 | 1 | 0 | 2 | HS | None | STOJT |
| **33-3051** | Police and Sheriff's Patrol Officers | 5,329 | 5,552 | 223 | 4.18% | 159 | 254 | 22 | 435 | HS | None | MTOJT |
| ***33-9000*** | ***Other Protective Service Workers*** | ***8,504*** | ***8,979*** | ***475*** | ***5.59%*** | ***645*** | ***673*** | ***48*** | ***1,366*** |  |  |  |
| **33-9011** | Animal Control Workers | 217 | 272 | 55 | 25.35% | 12 | 10 | 6 | 28 | HS | None | MTOJT |
| **33-9021** | Private Detectives and Investigators | 304 | 344 | 40 | 13.16% | 13 | 16 | 4 | 33 | HS | <5 | MTOJT |
| **33-9032** | Security Guards | 6,323 | 6,581 | 258 | 4.08% | 373 | 480 | 26 | 879 | HS | None | STOJT |
| **33-9092** | Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers | 495 | 569 | 74 | 14.95% | 85 | 71 | 7 | 163 | NFE | None | STOJT |
| **33-9093** | Transportation Security Screeners | 135 | 136 | 1 | 0.74% | 6 | 7 | 0 | 13 | HS | None | STOJT |
| **33-9094** | School Bus Monitors | 505 | 479 | -26 | -5.15% | 69 | 23 | -3 | 89 | HS | None | STOJT |
| **33-9099** | Protective Service Workers, All Other | 416 | 481 | 65 | 15.63% | 72 | 60 | 6 | 138 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **35-0000** | **FOOD PREPARATION AND SERVING RELATED OCCUPATIONS** | **107,150** | **113,767** | **6,617** | **6.18%** | **9,590** | **11,395** | **662** | **21,647** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***35-1000*** | ***Supervisors of Food Preparation and Serving Workers*** | ***12,163*** | ***13,182*** | ***1,019*** | ***8.38%*** | ***625*** | ***1,195*** | ***102*** | ***1,922*** |  |  |  |
| **35-1011** | Chefs and Head Cooks | 1,029 | 1,150 | 121 | 11.76% | 42 | 86 | 12 | 140 | HS | 5+ | None |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 11,134 | 12,032 | 898 | 8.07% | 583 | 1,109 | 90 | 1,782 | HS | <5 | None |
| ***35-2000*** | ***Cooks and Food Preparation Workers*** | ***30,245*** | ***33,333*** | ***3,088*** | ***10.21%*** | ***2,284*** | ***2,634*** | ***309*** | ***5,227*** |  |  |  |
| **35-2011** | Cooks, Fast Food | 3,929 | 3,476 | -453 | -11.53% | 252 | 302 | -45 | 509 | NFE | None | STOJT |
| **35-2012** | Cooks, Institution and Cafeteria | 7,371 | 7,783 | 412 | 5.59% | 517 | 618 | 41 | 1,176 | NFE | None | STOJT |
| **35-2013** | Cooks, Private Household | 133 | 126 | -7 | -5.26% | 9 | 11 | -1 | 19 | PS | <5 | None |
| **35-2014** | Cooks, Restaurant | 12,541 | 15,525 | 2,984 | 23.79% | 957 | 1,144 | 298 | 2,399 | NFE | <5 | MTOJT |
| **35-2015** | Cooks, Short Order | 650 | 635 | -15 | -2.31% | 44 | 52 | -2 | 94 | NFE | None | STOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **35-2019** | Cooks, All Other | 58 | 62 | 4 | 6.90% | 4 | 5 | 0 | 9 | NFE | None | MTOJT |
| **35-2021** | Food Preparation Workers | 5,563 | 5,726 | 163 | 2.93% | 500 | 502 | 16 | 1,018 | NFE | None | STOJT |
| ***35-3000*** | ***Food and Beverage Serving Workers*** | ***56,427*** | ***58,607*** | ***2,180*** | ***3.86%*** | ***5,785*** | ***6,750*** | ***218*** | ***12,753*** |  |  |  |
| **35-3011** | Bartenders | 2,463 | 2,694 | 231 | 9.38% | 140 | 301 | 23 | 464 | NFE | None | STOJT |
| **35-3023** | Fast Food and Counter Workers | 37,015 | 38,931 | 1,916 | 5.18% | 4,193 | 4,476 | 192 | 8,861 | NFE | None | STOJT |
| **35-3031** | Waiters and Waitresses | 15,113 | 14,950 | -163 | -1.08% | 1,293 | 1,816 | -16 | 3,093 | NFE | None | STOJT |
| **35-3041** | Food Servers, Nonrestaurant | 1,836 | 2,032 | 196 | 10.68% | 158 | 157 | 20 | 335 | NFE | None | STOJT |
| ***35-9000*** | ***Other Food Preparation and Serving Related Workers*** | ***8,315*** | ***8,645*** | ***330*** | ***3.97%*** | ***897*** | ***816*** | ***33*** | ***1,746*** |  |  |  |
| **35-9011** | Dining Room and Cafeteria Attendants and Bartender Helpers | 2,570 | 2,781 | 211 | 8.21% | 256 | 241 | 21 | 518 | NFE | None | STOJT |
| **35-9021** | Dishwashers | 2,967 | 2,994 | 27 | 0.91% | 263 | 250 | 3 | 516 | NFE | None | STOJT |
| **35-9031** | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop | 2,624 | 2,698 | 74 | 2.82% | 358 | 311 | 7 | 676 | NFE | None | STOJT |
| **35-9099** | Food Preparation and Serving Related Workers, All Other | 154 | 172 | 18 | 11.69% | 20 | 14 | 2 | 36 | NFE | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **37-0000** | **BUILDING AND GROUNDS CLEANING AND MAINTENANCE OCCUPATIONS** | **44,929** | **48,094** | **3,165** | **7.04%** | **2,947** | **3,289** | **316** | **6,552** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***37-1000*** | ***Supervisors of Building and Grounds Cleaning and Maintenance Workers*** | ***4,483*** | ***4,911*** | ***428*** | ***9.55%*** | ***215*** | ***292*** | ***43*** | ***550*** |  |  |  |
| **37-1011** | First-Line Supervisors of Housekeeping and Janitorial Workers | 2,275 | 2,468 | 193 | 8.48% | 123 | 149 | 19 | 291 | HS | <5 | None |
| **37-1012** | First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers | 2,208 | 2,443 | 235 | 10.64% | 92 | 144 | 24 | 260 | HS | <5 | None |
| ***37-2000*** | ***Building Cleaning and Pest Control Workers*** | ***32,206*** | ***33,932*** | ***1,726*** | ***5.36%*** | ***2,307*** | ***2,308*** | ***173*** | ***4,788*** |  |  |  |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 18,627 | 20,234 | 1,607 | 8.63% | 1,353 | 1,351 | 161 | 2,865 | NFE | None | STOJT |
| **37-2012** | Maids and Housekeeping Cleaners | 12,021 | 11,871 | -150 | -1.25% | 890 | 802 | -15 | 1,677 | NFE | None | STOJT |
| **37-2019** | Building Cleaning Workers, All Other | 238 | 275 | 37 | 15.55% | 18 | 18 | 4 | 40 | NFE | None | STOJT |
| **37-2021** | Pest Control Workers | 1,320 | 1,552 | 232 | 17.58% | 47 | 137 | 23 | 207 | HS | None | MTOJT |
| ***37-3000*** | ***Grounds Maintenance Workers*** | ***8,240*** | ***9,251*** | ***1,011*** | ***12.27%*** | ***424*** | ***689*** | ***101*** | ***1,214*** |  |  |  |
| **37-3011** | Landscaping and Groundskeeping Workers | 7,559 | 8,498 | 939 | 12.42% | 399 | 623 | 94 | 1,116 | NFE | None | STOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **37-3012** | Pesticide Handlers, Sprayers, and Applicators, Vegetation | 206 | 222 | 16 | 7.77% | 7 | 20 | 2 | 29 | HS | None | MTOJT |
| **37-3013** | Tree Trimmers and Pruners | 346 | 392 | 46 | 13.29% | 13 | 33 | 5 | 51 | HS | None | STOJT |
| **37-3019** | Grounds Maintenance Workers, All Other | 129 | 139 | 10 | 7.75% | 4 | 12 | 1 | 17 | NFE | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **39-0000** | **PERSONAL CARE AND SERVICE OCCUPATIONS** | **27,373** | **30,402** | **3,029** | **11.07%** | **1,978** | **2,976** | **303** | **5,257** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***39-1000*** | ***Supervisors of Personal Care and Service Workers*** | ***1,671*** | ***1,887*** | ***216*** | ***12.93%*** | ***75*** | ***116*** | ***22*** | ***213*** |  |  |  |
| **39-1022** | First-line Supervisors of Personal Service Workers | 1,147 | 1,299 | 152 | 13.25% | 52 | 80 | 15 | 147 | HS | <5 | None |
| ***39-2000*** | ***Animal Care and Service Workers*** | ***4,691*** | ***5,646*** | ***955*** | ***20.36%*** | ***312*** | ***568*** | ***96*** | ***976*** |  |  |  |
| **39-2011** | Animal Trainers | 1,101 | 1,289 | 188 | 17.08% | 53 | 112 | 19 | 184 | HS | None | MTOJT |
| **39-2021** | Animal Caretakers | 3,590 | 4,357 | 767 | 21.36% | 258 | 456 | 77 | 791 | HS | None | STOJT |
| ***39-3000*** | ***Entertainment Attendants and Related Workers*** | ***2,594*** | ***2,822*** | ***228*** | ***8.79%*** | ***288*** | ***425*** | ***23*** | ***736*** |  |  |  |
| **39-3021** | Motion Picture Projectionists | 26 | 23 | -3 | -11.54% | 3 | 4 | 0 | 7 | NFE | None | STOJT |
| **39-3031** | Ushers, Lobby Attendants, and Ticket Takers | 311 | 344 | 33 | 10.61% | 46 | 50 | 3 | 99 | NFE | None | STOJT |
| **39-3091** | Amusement and Recreation Attendants | 1,814 | 1,935 | 121 | 6.67% | 210 | 314 | 12 | 536 | NFE | None | STOJT |
| **39-3093** | Locker Room, Coatroom, and Dressing Room Attendants | 74 | 82 | 8 | 10.81% | 9 | 13 | 1 | 23 | HS | None | STOJT |
| ***39-4000*** | ***Funeral Service Workers*** | ***730*** | ***710*** | ***-20*** | ***-2.74%*** | ***34*** | ***60*** | ***-2*** | ***92*** |  |  |  |
| **39-4021** | Funeral Attendants | 226 | 219 | -7 | -3.10% | 10 | 22 | -1 | 31 | HS | None | STOJT |
| **39-4031** | Morticians, Undertakers, and Funeral Arrangers | 365 | 359 | -6 | -1.64% | 17 | 25 | -1 | 41 | AD | None | LTOJT |
| ***39-5000*** | ***Personal Appearance Workers*** | ***2,954*** | ***3,248*** | ***294*** | ***9.95%*** | ***180*** | ***234*** | ***29*** | ***443*** |  |  |  |
| **39-5012** | Hairdressers, Hairstylists, and Cosmetologists | 2,511 | 2,757 | 246 | 9.80% | 157 | 198 | 25 | 380 | PS | None | None |
| **39-5092** | Manicurists and Pedicurists | 227 | 250 | 23 | 10.13% | 12 | 16 | 2 | 30 | PS | None | None |
| **39-5094** | Skincare Specialists | 183 | 205 | 22 | 12.02% | 10 | 17 | 2 | 29 | PS | None | None |
| ***39-6000*** | ***Baggage Porters, Bellhops, and Concierges*** | ***118*** | ***129*** | ***11*** | ***9.32%*** | ***7*** | ***13*** | ***1*** | ***21*** |  |  |  |
| **39-6011** | Baggage Porters and Bellhops | 31 | 33 | 2 | 6.45% | 2 | 3 | 0 | 5 | HS | None | STOJT |
| **39-6012** | Concierges | 87 | 96 | 9 | 10.34% | 5 | 9 | 1 | 15 | HS | None | MTOJT |
| ***39-7000*** | ***Tour and Travel Guides*** | ***340*** | ***397*** | ***57*** | ***16.76%*** | ***34*** | ***44*** | ***6*** | ***84*** |  |  |  |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **39-7010** | Tour and Travel Guides | 340 | 397 | 57 | 16.76% | 34 | 44 | 6 | 84 | HS | None | MTOJT |
| ***39-9000*** | ***Other Personal Care and Service Workers*** | ***14,275*** | ***15,563*** | ***1,288*** | ***9.02%*** | ***1,048*** | ***1,518*** | ***129*** | ***2,695*** |  |  |  |
| **39-9011** | Childcare Workers | 10,241 | 11,150 | 909 | 8.88% | 772 | 997 | 91 | 1,860 | HS | None | STOJT |
| **39-9031** | Exercise Trainers and Group Fitness Instructors | 1,324 | 1,547 | 223 | 16.84% | 87 | 176 | 22 | 285 | HS | None | STOJT |
| **39-9032** | Recreation Workers | 1,582 | 1,663 | 81 | 5.12% | 119 | 212 | 8 | 339 | HS | None | STOJT |
| **39-9041** | Residential Advisors | 863 | 903 | 40 | 4.63% | 50 | 103 | 4 | 157 | HS | None | STOJT |
| **39-9099** | Personal Care and Service Workers, All Other | 265 | 300 | 35 | 13.21% | 21 | 30 | 4 | 55 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **41-0000** | **SALES AND RELATED OCCUPATIONS** | **128,773** | **133,491** | **4,718** | **3.66%** | **7,764** | **9,399** | **472** | **17,635** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***41-1000*** | ***Supervisors of Sales Workers*** | ***16,816*** | ***16,838*** | ***22*** | ***0.13%*** | ***640*** | ***954*** | ***2*** | ***1,596*** |  |  |  |
| **41-1011** | First-Line Supervisors of Retail Sales Workers | 13,710 | 13,674 | -36 | -0.26% | 534 | 808 | -4 | 1,338 | HS | <5 | None |
| **41-1012** | First-Line Supervisors of Non-Retail Sales Workers | 3,106 | 3,164 | 58 | 1.87% | 106 | 146 | 6 | 258 | HS | <5 | None |
| ***41-2000*** | ***Retail Sales Workers*** | ***72,850*** | ***74,236*** | ***1,386*** | ***1.90%*** | ***5,730*** | ***6,275*** | ***139*** | ***12,144*** |  |  |  |
| **41-2011** | Cashiers | 33,006 | 32,327 | -679 | -2.06% | 3,142 | 3,166 | -68 | 6,240 | NFE | None | STOJT |
| **41-2021** | Counter and Rental Clerks | 4,431 | 4,618 | 187 | 4.22% | 256 | 268 | 19 | 543 | NFE | None | STOJT |
| **41-2031** | Retail Salespersons | 32,183 | 33,945 | 1,762 | 5.47% | 2,170 | 2,618 | 176 | 4,964 | NFE | None | STOJT |
| ***41-3000*** | ***Sales Representatives, Services*** | ***19,541*** | ***21,807*** | ***2,266*** | ***11.60%*** | ***661*** | ***1,118*** | ***227*** | ***2,006*** |  |  |  |
| **41-3011** | Advertising Sales Agents | 1,042 | 980 | -62 | -5.95% | 36 | 70 | -6 | 100 | HS | None | MTOJT |
| **41-3021** | Insurance Sales Agents | 8,594 | 10,161 | 1,567 | 18.23% | 351 | 389 | 157 | 897 | HS | None | MTOJT |
| **41-3031** | Securities, Commodities, and Financial Services Sales Agents | 1,553 | 1,695 | 142 | 9.14% | 45 | 74 | 14 | 133 | BD | None | MTOJT |
| **41-3041** | Travel Agents | 199 | 193 | -6 | -3.02% | 13 | 12 | -1 | 24 | HS | None | MTOJT |
| **41-3091** | Sales Representatives of Services, Except  Advertising, Insurance, Financial Services, and Travel | 8,153 | 8,778 | 625 | 7.67% | 217 | 573 | 62 | 852 | HS | None | MTOJT |
| ***41-4000*** | ***Sales Representatives, Wholesale and Manufacturing*** | ***15,446*** | ***16,296*** | ***850*** | ***5.50%*** | ***528*** | ***867*** | ***85*** | ***1,480*** |  |  |  |
| **41-4011** | Sales Representatives, Wholesale and Manufacturing, Technical and Scientific  Products | 2,116 | 2,281 | 165 | 7.80% | 73 | 120 | 16 | 209 | BD | None | MTOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **41-4012** | Sales Representatives, Wholesale and  Manufacturing, Except Technical and Scientific Products | 13,330 | 14,015 | 685 | 5.14% | 455 | 747 | 68 | 1,270 | HS | None | MTOJT |
| ***41-9000*** | ***Other Sales and Related Workers*** | ***4,120*** | ***4,314*** | ***194*** | ***4.71%*** | ***205*** | ***184*** | ***19*** | ***408*** |  |  |  |
| **41-9021** | Real Estate Brokers | 797 | 861 | 64 | 8.03% | 39 | 30 | 6 | 75 | HS | <5 | None |
| **41-9022** | Real Estate Sales Agents | 2,454 | 2,632 | 178 | 7.25% | 119 | 92 | 18 | 229 | HS | None | MTOJT |
| **41-9031** | Sales Engineers | 189 | 189 | 0 | 0.00% | 6 | 11 | 0 | 17 | BD | None | MTOJT |
| **41-9099** | Sales and Related Workers, All Other | 314 | 342 | 28 | 8.92% | 18 | 25 | 3 | 46 | HS | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **43-0000** | **OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS** | **164,152** | **161,422** | **-2,730** | **-1.66%** | **8,636** | **9,744** | **-273** | **18,107** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***43-1000*** | ***Supervisors of Office and Administrative Support Workers*** | ***13,433*** | ***13,188*** | ***-245*** | ***-1.82%*** | ***557*** | ***713*** | ***-24*** | ***1,246*** |  |  |  |
| **43-1011** | First-Line Supervisors of Office and Administrative Support Workers | 13,433 | 13,188 | -245 | -1.82% | 557 | 713 | -24 | 1,246 | HS | <5 | None |
| ***43-2000*** | ***Communications Equipment Operators*** | ***298*** | ***232*** | ***-66*** | ***-22.15%*** | ***13*** | ***15*** | ***-7*** | ***21*** |  |  |  |
| **43-2011** | Switchboard Operators, Including Answering Service | 269 | 204 | -65 | -24.16% | 10 | 13 | -6 | 17 | HS | None | STOJT |
| ***43-3000*** | ***Financial Clerks*** | ***23,577*** | ***22,830*** | ***-747*** | ***-3.17%*** | ***1,291*** | ***1,240*** | ***-75*** | ***2,456*** |  |  |  |
| **43-3011** | Bill and Account Collectors | 1,266 | 1,120 | -146 | -11.53% | 58 | 69 | -15 | 112 | HS | None | MTOJT |
| **43-3021** | Billing and Posting Clerks | 3,652 | 3,904 | 252 | 6.90% | 179 | 207 | 25 | 411 | HS | None | MTOJT |
| **43-3031** | Bookkeeping, Accounting, and Auditing Clerks | 12,237 | 12,089 | -148 | -1.21% | 788 | 620 | -15 | 1,393 | SC | None | MTOJT |
| **43-3051** | Payroll and Timekeeping Clerks | 1,226 | 1,063 | -163 | -13.30% | 55 | 59 | -16 | 98 | HS | None | MTOJT |
| **43-3061** | Procurement Clerks | 629 | 613 | -16 | -2.54% | 19 | 39 | -2 | 56 | HS | None | MTOJT |
| **43-3071** | Tellers | 4,360 | 3,817 | -543 | -12.45% | 184 | 232 | -54 | 362 | HS | None | STOJT |
| ***43-4000*** | ***Information and Record Clerks*** | ***49,509*** | ***49,166*** | ***-343*** | ***-0.69%*** | ***2,783*** | ***3,538*** | ***-34*** | ***6,287*** |  |  |  |
| **43-4031** | Court, Municipal, and License Clerks | 2,018 | 2,113 | 95 | 4.71% | 107 | 98 | 10 | 215 | HS | None | LTOJT |
| **43-4041** | Credit Authorizers, Checkers, and Clerks | 143 | 143 | 0 | 0.00% | 5 | 7 | 0 | 12 | HS | None | MTOJT |
| **43-4051** | Customer Service Representatives | 19,980 | 18,933 | -1,047 | -5.24% | 1,087 | 1,526 | -105 | 2,508 | HS | None | STOJT |
| **43-4061** | Eligibility Interviewers, Government Programs | 713 | 733 | 20 | 2.81% | 28 | 34 | 2 | 64 | HS | None | MTOJT |
| **43-4071** | File Clerks | 394 | 347 | -47 | -11.93% | 23 | 22 | -5 | 40 | HS | None | STOJT |
| **43-4081** | Hotel, Motel, and Resort Desk Clerks | 3,143 | 3,137 | -6 | -0.19% | 198 | 301 | -1 | 498 | HS | None | STOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **43-4111** | Interviewers, Except Eligibility and Loan | 3,655 | 3,379 | -276 | -7.55% | 184 | 237 | -28 | 393 | HS | None | STOJT |
| **43-4121** | Library Assistants, Clerical | 475 | 453 | -22 | -4.63% | 46 | 35 | -2 | 79 | HS | None | STOJT |
| **43-4131** | Loan Interviewers and Clerks | 2,528 | 2,568 | 40 | 1.58% | 86 | 124 | 4 | 214 | HS | None | STOJT |
| **43-4141** | New Accounts Clerks | 444 | 389 | -55 | -12.39% | 13 | 24 | -6 | 31 | HS | None | MTOJT |
| **43-4151** | Order Clerks | 577 | 502 | -75 | -13.00% | 26 | 35 | -8 | 53 | SC | None | STOJT |
| **43-4161** | Human Resources Assistants, Except Payroll and Timekeeping | 649 | 641 | -8 | -1.23% | 28 | 43 | -1 | 70 | AD | None | None |
| **43-4171** | Receptionists and Information Clerks | 13,289 | 14,265 | 976 | 7.34% | 872 | 958 | 98 | 1,928 | HS | None | STOJT |
| **43-4181** | Reservation and Transportation Ticket Agents and Travel Clerks | 185 | 197 | 12 | 6.49% | 9 | 12 | 1 | 22 | HS | None | STOJT |
| **43-4199** | Information and Record Clerks, All Other | 1,245 | 1,303 | 58 | 4.66% | 66 | 78 | 6 | 150 | HS | None | STOJT |
| ***43-5000*** | ***Material Recording, Scheduling, Dispatching, and Distributing Workers*** | ***19,976*** | ***20,036*** | ***60*** | ***0.30%*** | ***850*** | ***1,067*** | ***6*** | ***1,923*** |  |  |  |
| **43-5011** | Cargo and Freight Agents | 1,061 | 1,201 | 140 | 13.20% | 45 | 69 | 14 | 128 | HS | None | STOJT |
| **43-5021** | Couriers and Messengers | 1,048 | 1,144 | 96 | 9.16% | 53 | 64 | 10 | 127 | HS | None | STOJT |
| **43-5031** | Public Safety Telecommunicators | 1,327 | 1,386 | 59 | 4.45% | 63 | 72 | 6 | 141 | HS | None | MTOJT |
| **43-5032** | Dispatchers, Except Police, Fire, and Ambulance | 1,442 | 1,469 | 27 | 1.87% | 58 | 78 | 3 | 139 | HS | None | MTOJT |
| **43-5051** | Postal Service Clerks | 1,022 | 990 | -32 | -3.13% | 49 | 36 | -3 | 82 | NFE | None | STOJT |
| **43-5052** | Postal Service Mail Carriers | 3,100 | 3,001 | -99 | -3.19% | 124 | 104 | -10 | 218 | NFE | None | STOJT |
| **43-5061** | Production, Planning, and Expediting Clerks | 2,509 | 2,737 | 228 | 9.09% | 102 | 164 | 23 | 289 | HS | None | MTOJT |
| **43-5071** | Shipping, Receiving, and Inventory Clerks | 6,947 | 6,640 | -307 | -4.42% | 280 | 405 | -31 | 654 | HS | None | STOJT |
| **43-5111** | Weighers, Measurers, Checkers, and Samplers, Recordkeeping | 635 | 657 | 22 | 3.46% | 35 | 44 | 2 | 81 | HS | None | STOJT |
| ***43-6000*** | ***Secretaries and Administrative Assistants*** | ***16,487*** | ***15,144*** | ***-1,343*** | ***-8.15%*** | ***890*** | ***838*** | ***-134*** | ***1,594*** |  |  |  |
| **43-6011** | Executive Secretaries and Executive Administrative Assistants | 1,801 | 1,542 | -259 | -14.38% | 75 | 94 | -26 | 143 | HS | <5 | None |
| **43-6012** | Legal Secretaries and Administrative Assistants | 1,013 | 806 | -207 | -20.43% | 53 | 50 | -21 | 82 | HS | None | MTOJT |
| **43-6013** | Medical Secretaries and Administrative Assistants | 1,498 | 1,661 | 163 | 10.88% | 84 | 80 | 16 | 180 | HS | None | MTOJT |
| **43-6014** | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 12,175 | 11,135 | -1,040 | -8.54% | 679 | 613 | -104 | 1,188 | HS | None | STOJT |
| ***43-9000*** | ***Other Office and Administrative Support Workers*** | ***40,872*** | ***40,826*** | ***-46*** | ***-0.11%*** | ***2,252*** | ***2,334*** | ***-5*** | ***4,581*** |  |  |  |
| **43-9021** | Data Entry Keyers | 1,216 | 941 | -275 | -22.62% | 54 | 71 | -28 | 97 | HS | None | STOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **43-9022** | Word Processors and Typists | 57 | 36 | -21 | -36.84% | 4 | 2 | -2 | 4 | HS | None | STOJT |
| **43-9041** | Insurance Claims and Policy Processing Clerks | 8,990 | 9,709 | 719 | 8.00% | 376 | 466 | 72 | 914 | HS | None | MTOJT |
| **43-9051** | Mail Clerks and Mail Machine Operators, Except Postal Service | 301 | 282 | -19 | -6.31% | 19 | 19 | -2 | 36 | HS | None | STOJT |
| **43-9061** | Office Clerks, General | 29,080 | 28,727 | -353 | -1.21% | 1,747 | 1,699 | -35 | 3,411 | HS | None | STOJT |
| **43-9071** | Office Machine Operators, Except Computer | 193 | 158 | -35 | -18.13% | 10 | 13 | -4 | 19 | HS | None | STOJT |
| **43-9081** | Proofreaders and Copy Markers | 44 | 44 | 0 | 0.00% | 3 | 3 | 0 | 6 | BD | None | None |
| **43-9199** | Office and Administrative Support Workers, All Other | 972 | 912 | -60 | -6.17% | 38 | 60 | -6 | 92 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **45-0000** | **FARMING, FISHING, AND FORESTRY OCCUPATIONS** | **16,037** | **15,948** | **-89** | **-0.55%** | **884** | **1,450** | **-9** | **2,325** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***45-2000*** | ***Agricultural Workers*** | ***13,047*** | ***12,984*** | ***-63*** | ***-0.48%*** | ***732*** | ***1,180*** | ***-6*** | ***1,906*** |  |  |  |
| **45-2011** | Agricultural Inspectors | 190 | 191 | 1 | 0.53% | 9 | 21 | 0 | 30 | BD | None | MTOJT |
| **45-2041** | Graders and Sorters, Agricultural Products | 1,674 | 1,540 | -134 | -8.00% | 87 | 144 | -13 | 218 | NFE | None | STOJT |
| **45-2091** | Agricultural Equipment Operators | 809 | 891 | 82 | 10.14% | 48 | 77 | 8 | 133 | NFE | None | MTOJT |
| **45-2092** | Farmworkers and Laborers, Crop, Nursery, and Greenhouse | 5,865 | 5,720 | -145 | -2.47% | 328 | 524 | -14 | 838 | NFE | None | STOJT |
| **45-2093** | Farmworkers, Farm, Ranch, and Aquacultural Animals | 4,237 | 4,347 | 110 | 2.60% | 243 | 388 | 11 | 642 | NFE | None | STOJT |
| ***45-4000*** | ***Forest, Conservation, and Logging Workers*** | ***2,104*** | ***2,036*** | ***-68*** | ***-3.23%*** | ***104*** | ***199*** | ***-7*** | ***296*** |  |  |  |
| **45-4011** | Forest and Conservation Workers | 221 | 240 | 19 | 8.60% | 12 | 28 | 2 | 42 | HS | None | MTOJT |
| **45-4022** | Logging Equipment Operators | 1,555 | 1,479 | -76 | -4.89% | 76 | 141 | -8 | 209 | HS | None | MTOJT |
| **45-4023** | Log Graders and Scalers | 205 | 208 | 3 | 1.46% | 10 | 19 | 0 | 29 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **47-0000** | **CONSTRUCTION AND EXTRACTION OCCUPATIONS** | **57,050** | **60,551** | **3,501** | **6.14%** | **2,032** | **2,993** | **350** | **5,375** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***47-1000*** | ***Supervisors of Construction and Extraction Workers*** | ***7,247*** | ***7,699*** | ***452*** | ***6.24%*** | ***249*** | ***340*** | ***45*** | ***634*** |  |  |  |
| **47-1011** | First-Line Supervisors of Construction Trades and Extraction Workers | 7,247 | 7,699 | 452 | 6.24% | 249 | 340 | 45 | 634 | HS | 5+ | None |
| ***47-2000*** | ***Construction Trades Workers*** | ***41,868*** | ***44,684*** | ***2,816*** | ***6.73%*** | ***1,436*** | ***2,192*** | ***282*** | ***3,910*** |  |  |  |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **47-2011** | Boilermakers | 103 | 90 | -13 | -12.62% | 4 | 5 | -1 | 8 | HS | None | App. |
| **47-2021** | Brickmasons and Blockmasons | 422 | 443 | 21 | 4.98% | 15 | 19 | 2 | 36 | HS | None | App. |
| **47-2031** | Carpenters | 4,719 | 4,943 | 224 | 4.75% | 168 | 227 | 22 | 417 | HS | None | App. |
| **47-2041** | Carpet Installers | 157 | 144 | -13 | -8.28% | 5 | 7 | -1 | 11 | NFE | None | STOJT |
| **47-2042** | Floor Layers, Except Carpet, Wood, and Hard Tiles | 220 | 239 | 19 | 8.64% | 7 | 10 | 2 | 19 | NFE | None | MTOJT |
| **47-2044** | Tile and Stone Setters | 167 | 185 | 18 | 10.78% | 6 | 8 | 2 | 16 | NFE | None | LTOJT |
| **47-2051** | Cement Masons and Concrete Finishers | 1,418 | 1,402 | -16 | -1.13% | 36 | 70 | -2 | 104 | NFE | None | MTOJT |
| **47-2061** | Construction Laborers | 12,078 | 13,033 | 955 | 7.91% | 434 | 634 | 96 | 1,164 | NFE | None | STOJT |
| **47-2071** | Paving, Surfacing, and Tamping Equipment Operators | 177 | 187 | 10 | 5.65% | 6 | 9 | 1 | 16 | HS | None | MTOJT |
| **47-2073** | Operating Engineers and Other Construction Equipment Operators | 5,330 | 5,598 | 268 | 5.03% | 181 | 275 | 27 | 483 | HS | None | MTOJT |
| **47-2081** | Drywall and Ceiling Tile Installers | 369 | 386 | 17 | 4.61% | 9 | 16 | 2 | 27 | NFE | None | MTOJT |
| **47-2111** | Electricians | 8,338 | 9,213 | 875 | 10.49% | 292 | 473 | 88 | 853 | HS | None | App. |
| **47-2121** | Glaziers | 461 | 483 | 22 | 4.77% | 20 | 26 | 2 | 48 | HS | None | App. |
| **47-2131** | Insulation Workers, Floor, Ceiling, and Wall | 280 | 292 | 12 | 4.29% | 8 | 13 | 1 | 22 | NFE | None | STOJT |
| **47-2132** | Insulation Workers, Mechanical | 46 | 48 | 2 | 4.35% | 1 | 2 | 0 | 3 | HS | None | App. |
| **47-2141** | Painters, Construction and Maintenance | 1,295 | 1,372 | 77 | 5.95% | 45 | 57 | 8 | 110 | NFE | None | MTOJT |
| **47-2142** | Paperhangers | 130 | 151 | 21 | 16.15% | 5 | 6 | 2 | 13 | NFE | None | LTOJT |
| **47-2151** | Pipelayers | 365 | 358 | -7 | -1.92% | 8 | 19 | -1 | 26 | NFE | None | STOJT |
| **47-2152** | Plumbers, Pipefitters, and Steamfitters | 3,337 | 3,522 | 185 | 5.54% | 108 | 184 | 18 | 310 | HS | None | App. |
| **47-2161** | Plasterers and Stucco Masons | 20 | 22 | 2 | 10.00% | 1 | 1 | 0 | 2 | NFE | None | LTOJT |
| **47-2181** | Roofers | 863 | 910 | 47 | 5.45% | 24 | 44 | 5 | 73 | NFE | None | MTOJT |
| **47-2211** | Sheet Metal Workers | 886 | 936 | 50 | 5.64% | 33 | 49 | 5 | 87 | HS | None | App. |
| **47-2221** | Structural Iron and Steel Workers | 466 | 486 | 20 | 4.29% | 12 | 28 | 2 | 42 | HS | None | App. |
| ***47-3000*** | ***Helpers, Construction Trades*** | ***1,945*** | ***1,979*** | ***34*** | ***1.75%*** | ***70*** | ***145*** | ***3*** | ***218*** |  |  |  |
| **47-3011** | Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters | 106 | 93 | -13 | -12.26% | 4 | 7 | -1 | 10 | NFE | None | STOJT |
| **47-3012** | Helpers--Carpenters | 124 | 122 | -2 | -1.61% | 4 | 9 | 0 | 13 | NFE | None | STOJT |
| **47-3013** | Helpers--Electricians | 496 | 491 | -5 | -1.01% | 18 | 36 | 0 | 54 | HS | None | STOJT |
| **47-3014** | Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons | 146 | 153 | 7 | 4.79% | 5 | 11 | 1 | 17 | NFE | None | STOJT |
| **47-3015** | Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters | 670 | 707 | 37 | 5.52% | 25 | 51 | 4 | 80 | HS | None | STOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **47-3016** | Helpers--Roofers | 27 | 28 | 1 | 3.70% | 1 | 2 | 0 | 3 | NFE | None | STOJT |
| **47-3019** | Helpers, Construction Trades, All Other | 376 | 385 | 9 | 2.39% | 14 | 28 | 1 | 43 | NFE | None | STOJT |
| ***47-4000*** | ***Other Construction and Related Workers*** | ***4,489*** | ***4,717*** | ***228*** | ***5.08%*** | ***221*** | ***222*** | ***23*** | ***466*** |  |  |  |
| **47-4011** | Construction and Building Inspectors | 1,153 | 1,148 | -5 | -0.43% | 75 | 55 | 0 | 130 | HS | 5+ | MTOJT |
| **47-4021** | Elevator and Escalator Installers and Repairers | 53 | 56 | 3 | 5.66% | 2 | 3 | 0 | 5 | HS | None | App. |
| **47-4031** | Fence Erectors | 134 | 137 | 3 | 2.24% | 4 | 8 | 0 | 12 | NFE | None | MTOJT |
| **47-4041** | Hazardous Materials Removal Workers | 505 | 560 | 55 | 10.89% | 24 | 33 | 6 | 63 | HS | None | MTOJT |
| **47-4051** | Highway Maintenance Workers | 2,242 | 2,399 | 157 | 7.00% | 104 | 103 | 16 | 223 | HS | None | MTOJT |
| **47-4061** | Rail-Track Laying and Maintenance Equipment Operators | 134 | 115 | -19 | -14.18% | 3 | 6 | -2 | 7 | HS | None | MTOJT |
| **47-4071** | Septic Tank Servicers and Sewer Pipe Cleaners | 50 | 60 | 10 | 20.00% | 2 | 3 | 1 | 6 | HS | None | MTOJT |
| **47-4090** | Miscellaneous Construction and Related Workers | 218 | 242 | 24 | 11.01% | 8 | 12 | 2 | 22 | HS | None | MTOJT |
| ***47-5000*** | ***Extraction Workers*** | ***1,501*** | ***1,472*** | ***-29*** | ***-1.93%*** | ***56*** | ***94*** | ***-3*** | ***147*** |  |  |  |
| **47-5012** | Rotary Drill Operators, Oil and Gas | 40 | 40 | 0 | 0.00% | 1 | 3 | 0 | 4 | NFE | None | MTOJT |
| **47-5013** | Service Unit Operators, Oil and Gas | 320 | 294 | -26 | -8.13% | 9 | 22 | -3 | 28 | NFE | None | MTOJT |
| **47-5022** | Excavating and Loading Machine and Dragline Operators, Surface Mining | 482 | 478 | -4 | -0.83% | 22 | 26 | 0 | 48 | HS | <5 | MTOJT |
| **47-5023** | Earth Drillers, Except Oil and Gas | 102 | 106 | 4 | 3.92% | 5 | 6 | 0 | 11 | HS | <5 | LTOJT |
| **47-5041** | Continuous Mining Machine Operators | 51 | 56 | 5 | 9.80% | 2 | 4 | 0 | 6 | NFE | None | MTOJT |
| **47-5051** | Rock Splitters, Quarry | 61 | 63 | 2 | 3.28% | 2 | 5 | 0 | 7 | NFE | None | STOJT |
| **47-5071** | Roustabouts, Oil and Gas | 236 | 220 | -16 | -6.78% | 7 | 16 | -2 | 21 | NFE | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **49-0000** | **INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS** | **61,559** | **66,079** | **4,520** | **7.34%** | **2,430** | **3,072** | **452** | **5,954** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***49-1000*** | ***Supervisors of Installation, Maintenance, and Repair Workers*** | ***6,168*** | ***6,491*** | ***323*** | ***5.24%*** | ***244*** | ***275*** | ***32*** | ***551*** |  |  |  |
| **49-1011** | First-Line Supervisors of Mechanics, Installers, and Repairers | 6,168 | 6,491 | 323 | 5.24% | 244 | 275 | 32 | 551 | HS | <5 | None |
| ***49-2000*** | ***Electrical and Electronic Equipment Mechanics, Installers, and Repairers*** | ***3,997*** | ***3,953*** | ***-44*** | ***-1.10%*** | ***139*** | ***244*** | ***-4*** | ***379*** |  |  |  |
| **49-2011** | Computer, Automated Teller, and Office Machine Repairers | 707 | 680 | -27 | -3.82% | 24 | 43 | -3 | 64 | SC | None | STOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **49-2021** | Radio, Cellular, and Tower Equipment Installers and Repairers | 44 | 44 | 0 | 0.00% | 2 | 3 | 0 | 5 | AD | None | MTOJT |
| **49-2022** | Telecommunications Equipment Installers and Repairers, Except Line Installers | 1,747 | 1,707 | -40 | -2.29% | 61 | 112 | -4 | 169 | PS | None | MTOJT |
| **49-2092** | Electric Motor, Power Tool, and Related Repairers | 84 | 91 | 7 | 8.33% | 3 | 4 | 1 | 8 | HS | <5 | MTOJT |
| **49-2094** | Electrical and Electronics Repairers,  Commercial and Industrial Equipment | 273 | 279 | 6 | 2.20% | 9 | 14 | 1 | 24 | PS | None | LTOJT |
| **49-2095** | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay | 226 | 235 | 9 | 3.98% | 8 | 12 | 1 | 21 | PS | <5 | MTOJT |
| **49-2096** | Electronic Equipment Installers and Repairers, Motor Vehicles | 34 | 36 | 2 | 5.88% | 1 | 2 | 0 | 3 | HS | None | MTOJT |
| **49-2097** | Audiovisual Equipment Installers and Repairers | 194 | 181 | -13 | -6.70% | 5 | 13 | -1 | 17 | PS | None | STOJT |
| **49-2098** | Security and Fire Alarm Systems Installers | 461 | 498 | 37 | 8.03% | 18 | 31 | 4 | 53 | HS | None | MTOJT |
| ***49-3000*** | ***Vehicle and Mobile Equipment Mechanics, Installers, and Repairers*** | ***18,559*** | ***19,522*** | ***963*** | ***5.19%*** | ***689*** | ***943*** | ***96*** | ***1,728*** |  |  |  |
| **49-3011** | Aircraft Mechanics and Service Technicians | 612 | 664 | 52 | 8.50% | 19 | 27 | 5 | 51 | PS | None | None |
| **49-3021** | Automotive Body and Related Repairers | 1,265 | 1,322 | 57 | 4.51% | 55 | 55 | 6 | 116 | HS | None | LTOJT |
| **49-3022** | Automotive Glass Installers and Repairers | 83 | 88 | 5 | 6.02% | 2 | 4 | 0 | 6 | HS | None | MTOJT |
| **49-3023** | Automotive Service Technicians and Mechanics | 6,776 | 7,024 | 248 | 3.66% | 240 | 341 | 25 | 606 | PS | None | STOJT |
| **49-3031** | Bus and Truck Mechanics and Diesel Engine Specialists | 4,821 | 4,956 | 135 | 2.80% | 175 | 227 | 14 | 416 | HS | None | LTOJT |
| **49-3041** | Farm Equipment Mechanics and Service Technicians | 1,129 | 1,298 | 169 | 14.97% | 39 | 60 | 17 | 116 | HS | None | LTOJT |
| **49-3042** | Mobile Heavy Equipment Mechanics, Except Engines | 1,229 | 1,350 | 121 | 9.85% | 42 | 64 | 12 | 118 | HS | None | LTOJT |
| **49-3043** | Rail Car Repairers | 311 | 279 | -32 | -10.29% | 10 | 15 | -3 | 22 | HS | None | LTOJT |
| **49-3051** | Motorboat Mechanics and Service Technicians | 323 | 378 | 55 | 17.03% | 18 | 17 | 6 | 41 | HS | None | LTOJT |
| **49-3052** | Motorcycle Mechanics | 210 | 239 | 29 | 13.81% | 11 | 11 | 3 | 25 | PS | None | STOJT |
| **49-3053** | Outdoor Power Equipment and Other Small Engine Mechanics | 429 | 456 | 27 | 6.29% | 22 | 21 | 3 | 46 | HS | None | MTOJT |
| **49-3091** | Bicycle Repairers | 65 | 75 | 10 | 15.38% | 3 | 5 | 1 | 9 | HS | None | MTOJT |
| **49-3092** | Recreational Vehicle Service Technicians | 200 | 256 | 56 | 28.00% | 9 | 16 | 6 | 31 | HS | None | LTOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **49-3093** | Tire Repairers and Changers | 1,106 | 1,137 | 31 | 2.80% | 44 | 79 | 3 | 126 | HS | None | STOJT |
| ***49-9000*** | ***Other Installation, Maintenance, and Repair Occupations*** | ***32,835*** | ***36,113*** | ***3,278*** | ***9.98%*** | ***1,358*** | ***1,610*** | ***328*** | ***3,296*** |  |  |  |
| **49-9011** | Mechanical Door Repairers | 273 | 315 | 42 | 15.38% | 10 | 12 | 4 | 26 | HS | None | MTOJT |
| **49-9012** | Control and Valve Installers and Repairers, Except Mechanical Door | 663 | 654 | -9 | -1.36% | 22 | 26 | -1 | 47 | HS | None | MTOJT |
| **49-9021** | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 4,018 | 4,396 | 378 | 9.41% | 132 | 217 | 38 | 387 | PS | None | LTOJT |
| **49-9031** | Home Appliance Repairers | 320 | 314 | -6 | -1.88% | 12 | 15 | -1 | 26 | HS | None | MTOJT |
| **49-9041** | Industrial Machinery Mechanics | 6,390 | 7,779 | 1,389 | 21.74% | 252 | 293 | 139 | 684 | HS | None | LTOJT |
| **49-9043** | Maintenance Workers, Machinery | 588 | 621 | 33 | 5.61% | 29 | 27 | 3 | 59 | HS | None | LTOJT |
| **49-9044** | Millwrights | 814 | 875 | 61 | 7.49% | 28 | 38 | 6 | 72 | HS | None | App. |
| **49-9051** | Electrical Power-Line Installers and Repairers | 1,673 | 1,866 | 193 | 11.54% | 48 | 85 | 19 | 152 | HS | None | LTOJT |
| **49-9052** | Telecommunications Line Installers and Repairers | 1,331 | 1,377 | 46 | 3.46% | 42 | 78 | 5 | 125 | HS | None | LTOJT |
| **49-9062** | Medical Equipment Repairers | 414 | 468 | 54 | 13.04% | 17 | 23 | 5 | 45 | AD | None | MTOJT |
| **49-9063** | Musical Instrument Repairers and Tuners | 27 | 29 | 2 | 7.41% | 1 | 2 | 0 | 3 | HS | None | App. |
| **49-9069** | Precision Instrument and Equipment Repairers, All Other | 57 | 56 | -1 | -1.75% | 2 | 3 | 0 | 5 | HS | None | LTOJT |
| **49-9071** | Maintenance and Repair Workers, General | 12,780 | 13,672 | 892 | 6.98% | 583 | 604 | 89 | 1,276 | HS | None | MTOJT |
| **49-9091** | Coin, Vending, and Amusement Machine Servicers and Repairers | 227 | 236 | 9 | 3.96% | 12 | 13 | 1 | 26 | HS | None | STOJT |
| **49-9094** | Locksmiths and Safe Repairers | 88 | 82 | -6 | -6.82% | 5 | 4 | -1 | 8 | HS | None | LTOJT |
| **49-9096** | Riggers | 138 | 168 | 30 | 21.74% | 7 | 8 | 3 | 18 | HS | None | MTOJT |
| **49-9098** | Helpers--Installation, Maintenance, and Repair Workers | 1,581 | 1,673 | 92 | 5.82% | 99 | 81 | 9 | 189 | HS | None | STOJT |
| **49-9099** | Installation, Maintenance, and Repair Workers, All Other | 1,382 | 1,472 | 90 | 6.51% | 55 | 79 | 9 | 143 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **51-0000** | **PRODUCTION OCCUPATIONS** | **117,072** | **118,127** | **1,055** | **0.90%** | **5,120** | **7,526** | **106** | **12,752** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***51-1000*** | ***Supervisors of Production Workers*** | ***10,935*** | ***11,419*** | ***484*** | ***4.43%*** | ***403*** | ***631*** | ***48*** | ***1,082*** |  |  |  |
| **51-1011** | First-Line Supervisors of Production and Operating Workers | 10,935 | 11,419 | 484 | 4.43% | 403 | 631 | 48 | 1,082 | HS | <5 | None |
| ***51-2000*** | ***Assemblers and Fabricators*** | ***20,068*** | ***19,898*** | ***-170*** | ***-0.85%*** | ***867*** | ***1,245*** | ***-17*** | ***2,095*** |  |  |  |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-2011** | Aircraft Structure, Surfaces, Rigging, and Systems Assemblers | 538 | 538 | 0 | 0.00% | 23 | 34 | 0 | 57 | HS | None | MTOJT |
| **51-2021** | Coil Winders, Tapers, and Finishers | 548 | 441 | -107 | -19.53% | 24 | 28 | -11 | 41 | HS | None | MTOJT |
| **51-2028** | Electrical, Electronic, and Electromechanical  Assemblers, Except Coil Winders, Tapers, and Finishers | 2,233 | 2,298 | 65 | 2.91% | 112 | 127 | 6 | 245 | HS | None | MTOJT |
| **51-2031** | Engine and Other Machine Assemblers | 285 | 256 | -29 | -10.18% | 16 | 17 | -3 | 30 | HS | None | MTOJT |
| **51-2041** | Structural Metal Fabricators and Fitters | 1,042 | 916 | -126 | -12.09% | 37 | 64 | -13 | 88 | HS | None | MTOJT |
| **51-2051** | Fiberglass Laminators and Fabricators | 490 | 596 | 106 | 21.63% | 23 | 34 | 11 | 68 | HS | None | MTOJT |
| **51-2090** | Miscellaneous Assemblers and Fabricators | 14,932 | 14,853 | -79 | -0.53% | 632 | 941 | -8 | 1,565 | HS | None | MTOJT |
| ***51-3000*** | ***Food Processing Workers*** | ***15,637*** | ***16,117*** | ***480*** | ***3.07%*** | ***831*** | ***1,128*** | ***48*** | ***2,007*** |  |  |  |
| **51-3011** | Bakers | 720 | 831 | 111 | 15.42% | 55 | 58 | 11 | 124 | NFE | None | MTOJT |
| **51-3021** | Butchers and Meat Cutters | 816 | 861 | 45 | 5.51% | 42 | 57 | 4 | 103 | NFE | None | LTOJT |
| **51-3022** | Meat, Poultry, and Fish Cutters and Trimmers | 7,645 | 7,710 | 65 | 0.85% | 380 | 524 | 6 | 910 | NFE | None | STOJT |
| **51-3023** | Slaughterers and Meat Packers | 2,198 | 2,115 | -83 | -3.78% | 107 | 147 | -8 | 246 | NFE | None | STOJT |
| **51-3091** | Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders | 232 | 252 | 20 | 8.62% | 12 | 20 | 2 | 34 | NFE | None | MTOJT |
| **51-3092** | Food Batchmakers | 2,371 | 2,681 | 310 | 13.07% | 162 | 212 | 31 | 405 | HS | None | MTOJT |
| **51-3093** | Food Cooking Machine Operators and Tenders | 345 | 336 | -9 | -2.61% | 15 | 32 | -1 | 46 | HS | None | MTOJT |
| **51-3099** | Food Processing Workers, All Other | 1,310 | 1,331 | 21 | 1.60% | 58 | 76 | 2 | 136 | NFE | None | MTOJT |
| ***51-4000*** | ***Metal Workers and Plastic Workers*** | ***21,252*** | ***21,861*** | ***609*** | ***2.87%*** | ***765*** | ***1,321*** | ***61*** | ***2,147*** |  |  |  |
| **51-4021** | Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic | 1,005 | 992 | -13 | -1.29% | 39 | 63 | -1 | 101 | HS | None | MTOJT |
| **51-4022** | Forging Machine Setters, Operators, and Tenders, Metal and Plastic | 174 | 156 | -18 | -10.34% | 6 | 10 | -2 | 14 | HS | None | MTOJT |
| **51-4023** | Rolling Machine Setters, Operators, and Tenders, Metal and Plastic | 638 | 695 | 57 | 8.93% | 26 | 42 | 6 | 74 | HS | None | MTOJT |
| **51-4031** | Cutting, Punching, and Press Machine  Setters, Operators, and Tenders, Metal and Plastic | 2,632 | 2,516 | -116 | -4.41% | 90 | 159 | -12 | 237 | HS | None | MTOJT |
| **51-4033** | Grinding, Lapping, Polishing, and Buffing  Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 582 | 563 | -19 | -3.26% | 23 | 37 | -2 | 58 | HS | None | MTOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-4034** | Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 123 | 120 | -3 | -2.44% | 8 | 7 | 0 | 15 | HS | None | MTOJT |
| **51-4035** | Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic | 144 | 130 | -14 | -9.72% | 9 | 8 | -1 | 16 | HS | None | MTOJT |
| **51-4041** | Machinists | 2,448 | 2,619 | 171 | 6.99% | 101 | 144 | 17 | 262 | HS | None | LTOJT |
| **51-4051** | Metal-Refining Furnace Operators and Tenders | 215 | 246 | 31 | 14.42% | 7 | 16 | 3 | 26 | HS | None | MTOJT |
| **51-4052** | Pourers and Casters, Metal | 149 | 168 | 19 | 12.75% | 5 | 11 | 2 | 18 | HS | None | MTOJT |
| **51-4072** | Molding, Coremaking, and Casting Machine  Setters, Operators, and Tenders, Metal and Plastic | 2,375 | 2,392 | 17 | 0.72% | 76 | 135 | 2 | 213 | HS | None | MTOJT |
| **51-4081** | Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 2,487 | 2,610 | 123 | 4.95% | 100 | 145 | 12 | 257 | HS | None | MTOJT |
| **51-4111** | Tool and Die Makers | 577 | 555 | -22 | -3.81% | 28 | 30 | -2 | 56 | PS | None | LTOJT |
| **51-4121** | Welders, Cutters, Solderers, and Brazers | 5,998 | 6,523 | 525 | 8.75% | 190 | 415 | 52 | 657 | HS | None | MTOJT |
| **51-4122** | Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders | 619 | 580 | -39 | -6.30% | 18 | 40 | -4 | 54 | HS | None | MTOJT |
| **51-4191** | Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic | 156 | 152 | -4 | -2.56% | 6 | 9 | 0 | 15 | HS | None | MTOJT |
| **51-4193** | Plating Machine Setters, Operators, and Tenders, Metal and Plastic | 237 | 209 | -28 | -11.81% | 9 | 13 | -3 | 19 | HS | None | MTOJT |
| **51-4194** | Tool Grinders, Filers, and Sharpeners | 147 | 140 | -7 | -4.76% | 6 | 8 | -1 | 13 | HS | None | MTOJT |
| **51-4199** | Metal Workers and Plastic Workers, All Other | 196 | 197 | 1 | 0.51% | 8 | 11 | 0 | 19 | HS | None | MTOJT |
| ***51-5100*** | ***Printing Workers*** | ***2,047*** | ***1,865*** | ***-182*** | ***-8.89%*** | ***89*** | ***117*** | ***-18*** | ***188*** |  |  |  |
| **51-5111** | Prepress Technicians and Workers | 131 | 109 | -22 | -16.79% | 7 | 8 | -2 | 13 | PS | None | None |
| **51-5112** | Printing Press Operators | 1,613 | 1,500 | -113 | -7.01% | 69 | 96 | -11 | 154 | HS | None | MTOJT |
| **51-5113** | Print Binding and Finishing Workers | 303 | 256 | -47 | -15.51% | 12 | 13 | -5 | 20 | HS | None | MTOJT |
| ***51-6000*** | ***Textile, Apparel, and Furnishings Workers*** | ***3,840*** | ***3,481*** | ***-359*** | ***-9.35%*** | ***250*** | ***201*** | ***-36*** | ***415*** |  |  |  |
| **51-6011** | Laundry and Dry-Cleaning Workers | 1,791 | 1,699 | -92 | -5.14% | 133 | 103 | -9 | 227 | NFE | None | STOJT |
| **51-6021** | Pressers, Textile, Garment, and Related Materials | 104 | 82 | -22 | -21.15% | 7 | 5 | -2 | 10 | NFE | None | STOJT |
| **51-6031** | Sewing Machine Operators | 785 | 686 | -99 | -12.61% | 48 | 35 | -10 | 73 | NFE | None | STOJT |
| **51-6052** | Tailors, Dressmakers, and Custom Sewers | 105 | 95 | -10 | -9.52% | 9 | 5 | -1 | 13 | NFE | None | MTOJT |
| **51-6062** | Textile Cutting Machine Setters, Operators, and Tenders | 50 | 51 | 1 | 2.00% | 3 | 3 | 0 | 6 | HS | None | MTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-6091** | Extruding and Forming Machine Setters,  Operators, and Tenders, Synthetic and Glass Fibers | 30 | 40 | 10 | 33.33% | 2 | 2 | 1 | 5 | HS | None | MTOJT |
| **51-6093** | Upholsterers | 217 | 220 | 3 | 1.38% | 10 | 11 | 0 | 21 | HS | None | MTOJT |
| **51-6099** | Textile, Apparel, and Furnishings Workers, All Other | 84 | 57 | -27 | -32.14% | 4 | 4 | -3 | 5 | HS | None | STOJT |
| ***51-7000*** | ***Woodworkers*** | ***4,938*** | ***5,079*** | ***141*** | ***2.86%*** | ***208*** | ***304*** | ***14*** | ***526*** |  |  |  |
| **51-7011** | Cabinetmakers and Bench Carpenters | 1,381 | 1,303 | -78 | -5.65% | 56 | 73 | -8 | 121 | HS | None | MTOJT |
| **51-7021** | Furniture Finishers | 206 | 204 | -2 | -0.97% | 12 | 11 | 0 | 23 | HS | None | STOJT |
| **51-7041** | Sawing Machine Setters, Operators, and Tenders, Wood | 1,782 | 1,901 | 119 | 6.68% | 81 | 123 | 12 | 216 | HS | None | MTOJT |
| **51-7042** | Woodworking Machine Setters, Operators, and Tenders, Except Sawing | 1,316 | 1,405 | 89 | 6.76% | 45 | 81 | 9 | 135 | HS | None | MTOJT |
| **51-7099** | Woodworkers, All Other | 253 | 266 | 13 | 5.14% | 14 | 15 | 1 | 30 | HS | None | MTOJT |
| ***51-8000*** | ***Plant and System Operators*** | ***3,716*** | ***3,672*** | ***-44*** | ***-1.18%*** | ***135*** | ***203*** | ***-4*** | ***334*** |  |  |  |
| **51-8012** | Power Distributors and Dispatchers | 276 | 284 | 8 | 2.90% | 8 | 15 | 1 | 24 | HS | None | LTOJT |
| **51-8013** | Power Plant Operators | 196 | 176 | -20 | -10.20% | 6 | 10 | -2 | 14 | HS | None | LTOJT |
| **51-8021** | Stationary Engineers and Boiler Operators | 204 | 203 | -1 | -0.49% | 9 | 12 | 0 | 21 | HS | None | LTOJT |
| **51-8031** | Water and Wastewater Treatment Plant and System Operators | 2,165 | 2,122 | -43 | -1.99% | 89 | 110 | -4 | 195 | HS | None | LTOJT |
| **51-8091** | Chemical Plant and System Operators | 361 | 378 | 17 | 4.71% | 9 | 24 | 2 | 35 | HS | None | MTOJT |
| **51-8093** | Petroleum Pump System Operators, Refinery Operators, and Gaugers | 198 | 196 | -2 | -1.01% | 5 | 13 | 0 | 18 | HS | None | MTOJT |
| **51-8099** | Plant and System Operators, All Other | 144 | 161 | 17 | 11.81% | 4 | 10 | 2 | 16 | HS | None | MTOJT |
| ***51-9000*** | ***Other Production Occupations*** | ***34,639*** | ***34,735*** | ***96*** | ***0.28%*** | ***1,573*** | ***2,377*** | ***10*** | ***3,960*** |  |  |  |
| **51-9011** | Chemical Equipment Operators and Tenders | 941 | 937 | -4 | -0.43% | 30 | 57 | 0 | 87 | HS | None | MTOJT |
| **51-9012** | Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and  Tenders | 605 | 668 | 63 | 10.41% | 20 | 39 | 6 | 65 | HS | None | MTOJT |
| **51-9021** | Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders | 457 | 468 | 11 | 2.41% | 17 | 30 | 1 | 48 | HS | None | MTOJT |
| **51-9022** | Grinding and Polishing Workers, Hand | 158 | 158 | 0 | 0.00% | 6 | 10 | 0 | 16 | NFE | None | MTOJT |
| **51-9023** | Mixing and Blending Machine Setters, Operators, and Tenders | 1,097 | 1,149 | 52 | 4.74% | 41 | 73 | 5 | 119 | HS | None | MTOJT |
| **51-9031** | Cutters and Trimmers, Hand | 43 | 30 | -13 | -30.23% | 2 | 2 | -1 | 3 | NFE | None | STOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-9032** | Cutting and Slicing Machine Setters, Operators, and Tenders | 1,075 | 1,066 | -9 | -0.84% | 50 | 64 | -1 | 113 | HS | None | MTOJT |
| **51-9041** | Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders | 569 | 569 | 0 | 0.00% | 24 | 32 | 0 | 56 | HS | None | MTOJT |
| **51-9051** | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders | 334 | 344 | 10 | 2.99% | 15 | 22 | 1 | 38 | HS | None | MTOJT |
| **51-9061** | Inspectors, Testers, Sorters, Samplers, and Weighers | 6,197 | 6,184 | -13 | -0.21% | 260 | 446 | -1 | 705 | HS | None | MTOJT |
| **51-9071** | Jewelers and Precious Stone and Metal Workers | 247 | 250 | 3 | 1.21% | 19 | 14 | 0 | 33 | HS | None | LTOJT |
| **51-9081** | Dental Laboratory Technicians | 845 | 844 | -1 | -0.12% | 38 | 59 | 0 | 97 | HS | None | MTOJT |
| **51-9082** | Medical Appliance Technicians | 69 | 73 | 4 | 5.80% | 3 | 5 | 0 | 8 | HS | None | MTOJT |
| **51-9083** | Ophthalmic Laboratory Technicians | 137 | 147 | 10 | 7.30% | 6 | 10 | 1 | 17 | HS | None | MTOJT |
| **51-9111** | Packaging and Filling Machine Operators and Tenders | 4,437 | 4,688 | 251 | 5.66% | 217 | 269 | 25 | 511 | HS | None | MTOJT |
| **51-9123** | Painting, Coating, and Decorating Workers | 52 | 57 | 5 | 9.62% | 2 | 3 | 0 | 5 | NFE | None | MTOJT |
| **51-9124** | Coating, Painting, and Spraying Machine Setters, Operators, and Tenders | 2,213 | 2,349 | 136 | 6.15% | 69 | 135 | 14 | 218 | HS | None | MTOJT |
| **51-9161** | Computer Numerically Controlled Tool Operators | 1,670 | 1,570 | -100 | -5.99% | 51 | 96 | -10 | 137 | HS | None | MTOJT |
| **51-9162** | Computer Numerically Controlled Tool Programmers | 175 | 214 | 39 | 22.29% | 6 | 12 | 4 | 22 | PS | None | MTOJT |
| **51-9191** | Adhesive Bonding Machine Operators and Tenders | 220 | 199 | -21 | -9.55% | 7 | 11 | -2 | 16 | HS | None | MTOJT |
| **51-9192** | Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders | 105 | 113 | 8 | 7.62% | 4 | 7 | 1 | 12 | HS | None | MTOJT |
| **51-9193** | Cooling and Freezing Equipment Operators and Tenders | 405 | 448 | 43 | 10.62% | 18 | 28 | 4 | 50 | HS | None | MTOJT |
| **51-9194** | Etchers and Engravers | 166 | 198 | 32 | 19.28% | 19 | 10 | 3 | 32 | HS | None | MTOJT |
| **51-9195** | Molders, Shapers, and Casters, Except Metal and Plastic | 220 | 229 | 9 | 4.09% | 12 | 16 | 1 | 29 | HS | None | LTOJT |
| **51-9196** | Paper Goods Machine Setters, Operators, and Tenders | 2,355 | 2,104 | -251 | -10.66% | 94 | 157 | -25 | 226 | HS | None | MTOJT |
| **51-9197** | Tire Builders | 679 | 721 | 42 | 6.19% | 25 | 45 | 4 | 74 | HS | None | MTOJT |
| **51-9198** | Helpers--Production Workers | 5,767 | 5,352 | -415 | -7.20% | 374 | 492 | -42 | 824 | HS | None | STOJT |
| **51-9199** | Production Workers, All Other | 3,401 | 3,606 | 205 | 6.03% | 146 | 230 | 20 | 396 | HS | None | MTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **53-0000** | **TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS** | **150,041** | **161,266** | **11,225** | **7.48%** | **7,909** | **11,319** | **1,122** | **20,350** |  |  |  |
| ***53-1000*** | ***Supervisors of Transportation and Material Moving Workers*** | ***6,319*** | ***6,810*** | ***491*** | ***7.77%*** | ***222*** | ***430*** | ***49*** | ***701*** |  |  |  |
| ***53-2000*** | ***Air Transportation Workers*** | ***928*** | ***976*** | ***48*** | ***5.17%*** | ***31*** | ***69*** | ***5*** | ***105*** |  |  |  |
| **53-2011** | Airline Pilots, Copilots, and Flight Engineers | 141 | 151 | 10 | 7.09% | 5 | 11 | 1 | 17 | BD | <5 | MTOJT |
| **53-2012** | Commercial Pilots | 522 | 544 | 22 | 4.21% | 18 | 41 | 2 | 61 | PS | None | MTOJT |
| **53-2021** | Air Traffic Controllers | 230 | 241 | 11 | 4.78% | 6 | 14 | 1 | 21 | AD | None | LTOJT |
| ***53-3000*** | ***Motor Vehicle Operators*** | ***58,022*** | ***62,020*** | ***3,998*** | ***6.89%*** | ***3,114*** | ***3,431*** | ***400*** | ***6,945*** |  |  |  |
| **53-3011** | Ambulance Drivers and Attendants, Except Emergency Medical Technicians | 40 | 40 | 0 | 0.00% | 2 | 4 | 0 | 6 | HS | None | MTOJT |
| **53-3031** | Driver/Sales Workers | 3,485 | 3,858 | 373 | 10.70% | 166 | 215 | 37 | 418 | HS | None | STOJT |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 36,392 | 37,992 | 1,600 | 4.40% | 1,684 | 2,179 | 160 | 4,023 | PS | None | STOJT |
| **53-3033** | Light Truck Drivers | 10,350 | 11,645 | 1,295 | 12.51% | 498 | 644 | 130 | 1,272 | HS | None | STOJT |
| **53-3051** | Bus Drivers, School | 4,252 | 4,321 | 69 | 1.62% | 453 | 196 | 7 | 656 | HS | None | STOJT |
| **53-3052** | Bus Drivers, Transit and Intercity | 513 | 540 | 27 | 5.26% | 42 | 25 | 3 | 70 | HS | None | MTOJT |
| **53-3053** | Shuttle Drivers and Chauffeurs | 2,367 | 2,875 | 508 | 21.46% | 224 | 132 | 51 | 407 | NFE | None | STOJT |
| **53-3054** | Taxi Drivers | 358 | 452 | 94 | 26.26% | 21 | 19 | 9 | 49 | NFE | None | STOJT |
| **53-3099** | Motor Vehicle Operators, All Other | 265 | 297 | 32 | 12.08% | 24 | 17 | 3 | 44 | NFE | None | STOJT |
| **53-5021** | Captains, Mates, and Pilots of Water Vessels | 37 | 35 | -2 | -5.41% | 1 | 2 | 0 | 3 | PS | <5 | None |
| ***53-6000*** | ***Other Transportation Workers*** | ***1,963*** | ***2,053*** | ***90*** | ***4.58%*** | ***103*** | ***177*** | ***9*** | ***289*** |  |  |  |
| **53-6021** | Parking Attendants | 441 | 455 | 14 | 3.17% | 24 | 40 | 1 | 65 | NFE | None | STOJT |
| **53-6031** | Automotive and Watercraft Service Attendants | 1,183 | 1,244 | 61 | 5.16% | 63 | 112 | 6 | 181 | NFE | None | STOJT |
| **53-6032** | Aircraft Service Attendants | 118 | 131 | 13 | 11.02% | 6 | 12 | 1 | 19 | HS | None | STOJT |
| **53-6051** | Transportation Inspectors | 129 | 131 | 2 | 1.55% | 4 | 7 | 0 | 11 | HS | None | MTOJT |
| ***53-7000*** | ***Material Moving Workers*** | ***81,185*** | ***88,077*** | ***6,892*** | ***8.49%*** | ***4,396*** | ***7,132*** | ***689*** | ***12,217*** |  |  |  |
| **53-7011** | Conveyor Operators and Tenders | 222 | 238 | 16 | 7.21% | 9 | 14 | 2 | 25 | NFE | None | STOJT |
| **53-7021** | Crane and Tower Operators | 918 | 994 | 76 | 8.28% | 32 | 56 | 8 | 96 | HS | <5 | MTOJT |
| **53-7041** | Hoist and Winch Operators | 23 | 25 | 2 | 8.70% | 1 | 2 | 0 | 3 | NFE | None | STOJT |
| **53-7051** | Industrial Truck and Tractor Operators | 10,742 | 11,406 | 664 | 6.18% | 355 | 708 | 66 | 1,129 | NFE | None | STOJT |
| **53-7061** | Cleaners of Vehicles and Equipment | 4,367 | 4,657 | 290 | 6.64% | 245 | 349 | 29 | 623 | NFE | None | STOJT |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 29,069 | 30,949 | 1,880 | 6.47% | 1,433 | 2,438 | 188 | 4,059 | NFE | None | STOJT |

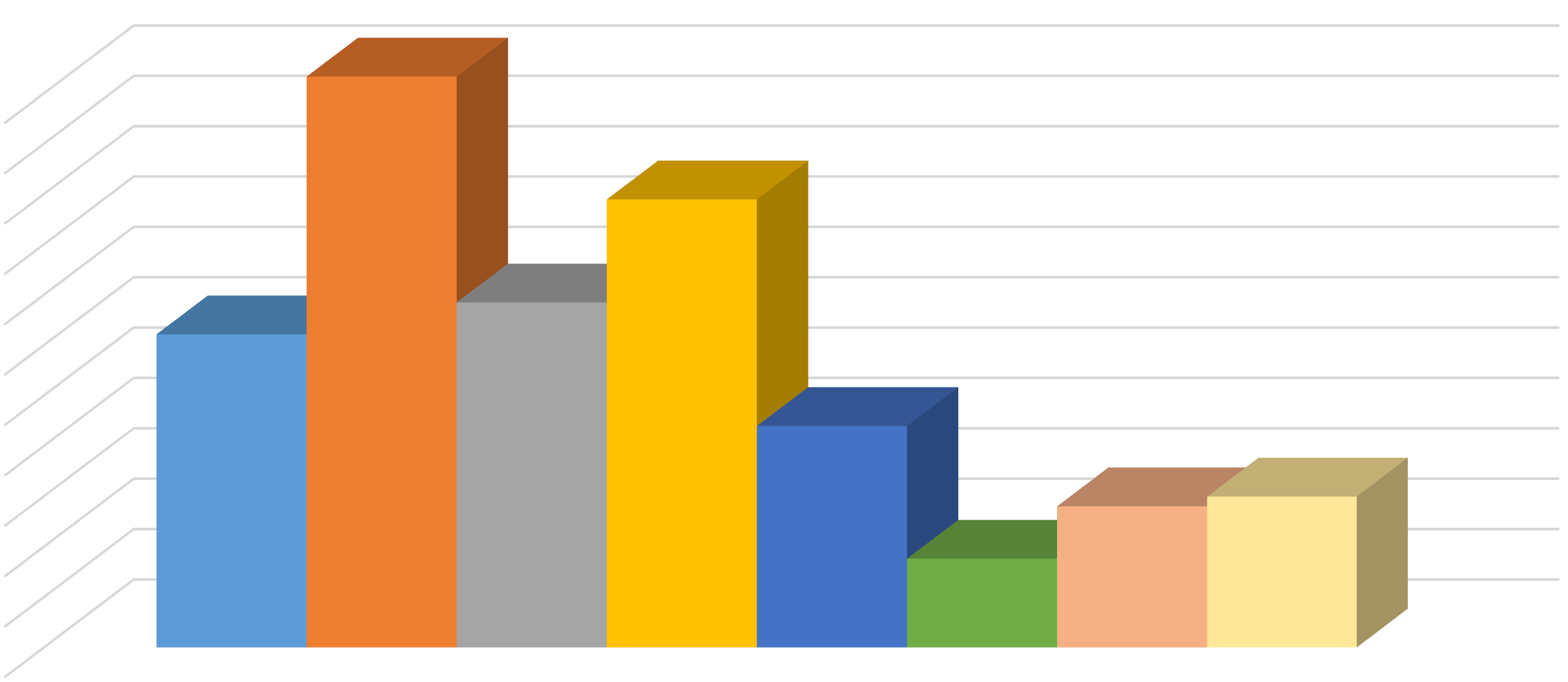
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Assignments \*** | | |
| **Code** | **Title** | **2022**  **Estimated** | **2032**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **53-7063** | Machine Feeders and Offbearers | 983 | 1,041 | 58 | 5.90% | 80 | 77 | 6 | 163 | NFE | None | STOJT |
| **53-7064** | Packers and Packagers, Hand | 3,910 | 4,021 | 111 | 2.84% | 238 | 328 | 11 | 577 | NFE | None | STOJT |
| **53-7065** | Stockers and Order Fillers | 28,693 | 32,365 | 3,672 | 12.80% | 1,899 | 2,989 | 367 | 5,255 | HS | None | STOJT |
| **53-7071** | Gas Compressor and Gas Pumping Station Operators | 52 | 46 | -6 | -11.54% | 2 | 3 | -1 | 4 | HS | None | MTOJT |
| **53-7072** | Pump Operators, Except Wellhead Pumpers | 40 | 36 | -4 | -10.00% | 1 | 2 | 0 | 3 | HS | None | MTOJT |
| **53-7073** | Wellhead Pumpers | 118 | 109 | -9 | -7.63% | 4 | 7 | -1 | 10 | HS | <5 | MTOJT |
| **53-7081** | Refuse and Recyclable Material Collectors | 1,702 | 1,843 | 141 | 8.28% | 81 | 135 | 14 | 230 | NFE | None | STOJT |
| **53-7121** | Tank Car, Truck, and Ship Loaders | 193 | 189 | -4 | -2.07% | 10 | 13 | 0 | 23 | NFE | None | STOJT |
| **53-7199** | Material Moving Workers, All Other | 153 | 158 | 5 | 3.27% | 8 | 10 | 0 | 18 | NFE | None | STOJT |

**Education Outlook**

## Occupational Projections by Education/Training Level

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| Doctoral or Professional Degree | 28,317 | 30,957 | 2,640 | 9.32% | 864 | 560 | 261 | 1,685 |
| Master's Degree | 22,213 | 26,124 | 3,911 | 17.61% | 753 | 805 | 391 | 1,949 |
| Bachelor's Degree | 313,320 | 345,485 | 32,165 | 10.27% | 10,233 | 13,904 | 3,209 | 27,346 |
| Associate Degree | 24,515 | 27,786 | 3,271 | 13.34% | 978 | 1,343 | 324 | 2,645 |
| Postsecondary Non-Degree Award | 109,805 | 117,041 | 7,236 | 6.59% | 5,109 | 6,456 | 726 | 12,291 |
| Some College, No Degree | 28,276 | 29,022 | 746 | 2.64% | 1,567 | 1,522 | 73 | 3,162 |
| High School Diploma or Equivalent | 605,981 | 631,402 | 25,421 | 4.20% | 30,432 | 38,121 | 2,539 | 71,092 |
| No Formal Educational Credential | 319,081 | 333,409 | 14,328 | 4.49% | 23,045 | 27,571 | 1,430 | 52,046 |

Occupations requiring a bachelor’s degree are expected to add 32,165 jobs during the projection period. Occupations requiring a high school diploma or equivalent could add 25,421 jobs but could also have 71,092 annual job openings between 2022 and 2032. Job seekers with at least an associate degree could see 41,987 new jobs and 33,625 annual job openings when they are ready to enter the workforce. Jobs requiring a master’s degree could see the largest percent change, with a 17.61 percent gain in employment over the 10-year period. Every educational category is forecast to see net gains in jobs.



**Percent Growth by Educational Level**

**17%**

**15%**

**14%**

**12%**

**11%**

**9%**

**8%**

**6%**

**5%**

**3%**

**2%**

**0%**

**9.32%**

**17.61%**

**10.27%**

**13.34%**

**6.59%**

**4.49%**

**2.64%**

**4.20%**

**Doctoral and Professional Degree Master's Degree**

**Bachelor's Degree Associate's Degree**

**Postsecondary Non-Degree Award Some College, No Degree**

**High School Diploma or Equivalent No Formal Educational Credential**

## Top 10 Occupations by Educational Level

Top 10 Occupations/High School Diploma or Less (Based on Number of Annual Openings)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SOC**  **Code** | **SOC Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual**  **Openings- Exits** | **Annual**  **Openings- Transfers** | **Annual**  **Openings- Change** | **Annual**  **Openings- Total** |
| **35-3023** | Fast Food and Counter Workers | 37,015 | 38,931 | 1,916 | 5.18% | 4,193 | 4,476 | 192 | 8,861 |
| **41-2011** | Cashiers | 33,006 | 32,327 | -679 | -2.06% | 3,142 | 3,166 | -68 | 6,240 |
| **53-7065** | Stockers and Order Fillers | 28,693 | 32,365 | 3,672 | 12.80% | 1,899 | 2,989 | 367 | 5,255 |
| **41-2031** | Retail Salespersons | 32,183 | 33,945 | 1,762 | 5.47% | 2,170 | 2,618 | 176 | 4,964 |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 42,062 | 40,311 | -1,751 | -4.16% | 2,878 | 1,372 | -175 | 4,075 |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 29,069 | 30,949 | 1,880 | 6.47% | 1,433 | 2,438 | 188 | 4,059 |
| **31-1120** | Home Health and Personal Care Aides | 20,311 | 24,665 | 4,354 | 21.44% | 1,799 | 1,500 | 435 | 3,734 |
| **43-9061** | Office Clerks, General | 29,080 | 28,727 | -353 | -1.21% | 1,747 | 1,699 | -35 | 3,411 |
| **35-3031** | Waiters and Waitresses | 15,113 | 14,950 | -163 | -1.08% | 1,293 | 1,816 | -16 | 3,093 |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 18,627 | 20,234 | 1,607 | 8.63% | 1,353 | 1,351 | 161 | 2,865 |

Top 10 Occupations/AD/Postsecondary Training (Based on Number of Annual Openings)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SOC**  **Code** | **SOC Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Openings- Exits** | **Annual Openings- Transfers** | **Annual Openings- Change** | **Annual Openings- Total** |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 36,392 | 37,992 | 1,600 | 4.40% | 1,684 | 2,179 | 160 | 4,023 |
| **31-1131** | Nursing Assistants | 16,804 | 17,518 | 714 | 4.25% | 1,086 | 1,343 | 71 | 2,500 |
| **43-3031** | Bookkeeping, Accounting, and Auditing Clerks | 12,237 | 12,089 | -148 | -1.21% | 788 | 620 | -15 | 1,393 |
| **25-9045** | Teaching Assistants, Except Postsecondary | 10,119 | 10,791 | 672 | 6.64% | 596 | 618 | 67 | 1,281 |
| **29-2061** | Licensed Practical and Licensed Vocational Nurses | 10,933 | 11,656 | 723 | 6.61% | 458 | 397 | 72 | 927 |
| **31-9092** | Medical Assistants | 4,267 | 5,125 | 858 | 20.11% | 220 | 377 | 86 | 683 |
| **25-2011** | Preschool Teachers, Except Special Education | 4,340 | 5,423 | 1,083 | 24.95% | 223 | 288 | 108 | 619 |
| **49-3023** | Automotive Service Technicians and Mechanics | 6,776 | 7,024 | 248 | 3.66% | 240 | 341 | 25 | 606 |
| **31-9091** | Dental Assistants | 3,014 | 3,619 | 605 | 20.07% | 184 | 270 | 60 | 514 |
| **49-9021** | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 4,018 | 4,396 | 378 | 9.41% | 132 | 217 | 38 | 387 |

Top 10 Occupations/BD or Higher (Based on Number of Annual Openings)

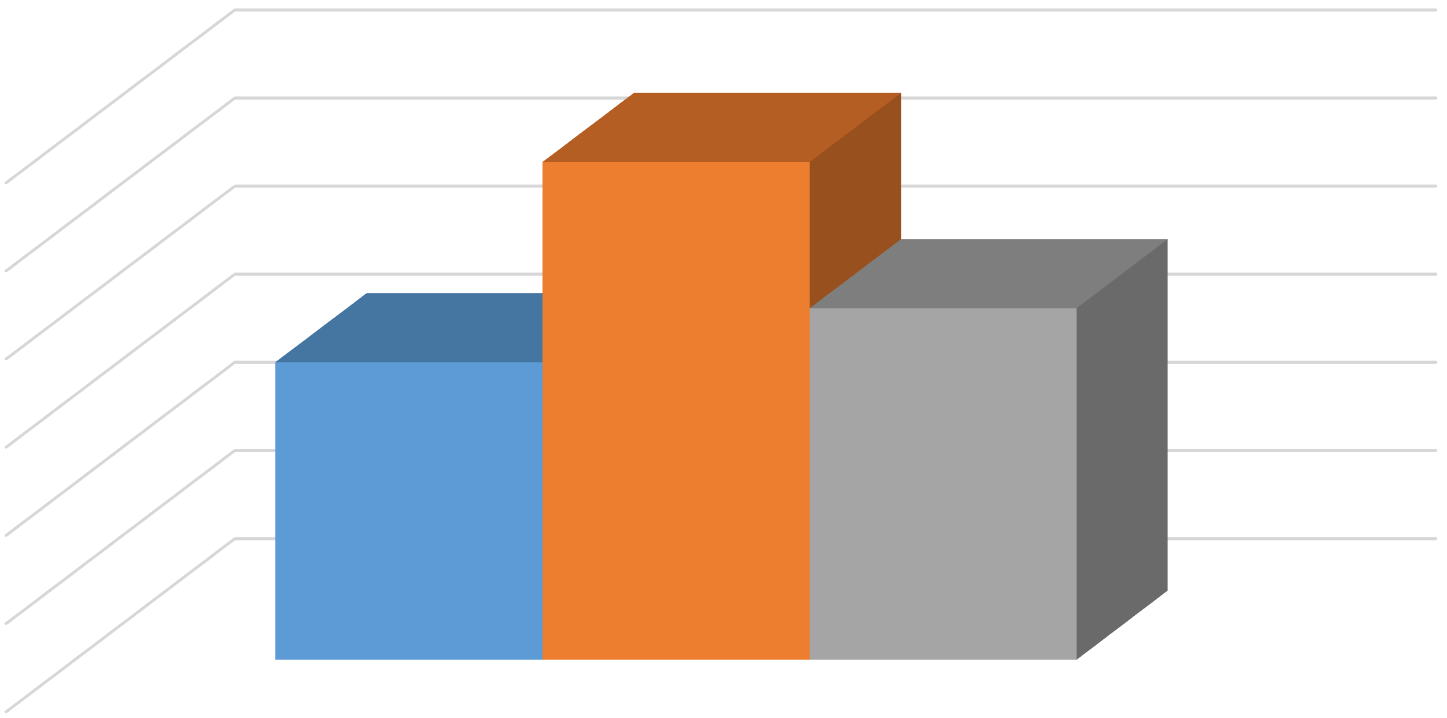
|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SOC**  **Code** | **SOC Title** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual**  **Openings- Exits** | **Annual**  **Openings- Transfers** | **Annual**  **Openings- Change** | **Annual**  **Openings- Total** |
| **11-1021** | General and Operations Managers | 34,518 | 38,139 | 3,621 | 10.49% | 905 | 1,951 | 362 | 3,218 |
| **29-1141** | Registered Nurses | 28,753 | 30,915 | 2,162 | 7.52% | 990 | 614 | 216 | 1,820 |
| **21-2011** | Clergy | 12,964 | 14,174 | 1,210 | 9.33% | 542 | 560 | 121 | 1,223 |
| **25-2021** | Elementary School Teachers, Except Special Education | 11,871 | 12,198 | 327 | 2.75% | 404 | 396 | 33 | 833 |
| **13-2011** | Accountants and Auditors | 8,618 | 9,688 | 1,070 | 12.42% | 283 | 414 | 107 | 804 |
| **25-2031** | Secondary School Teachers, Except Special and Career/Technical Education | 11,524 | 11,866 | 342 | 2.97% | 339 | 377 | 34 | 750 |
| **11-9111** | Medical and Health Services Managers | 6,683 | 8,764 | 2,081 | 31.14% | 215 | 319 | 208 | 742 |
| **13-1111** | Management Analysts | 6,683 | 7,889 | 1,206 | 18.05% | 251 | 335 | 121 | 707 |
| **11-3031** | Financial Managers | 7,096 | 8,612 | 1,516 | 21.36% | 202 | 320 | 152 | 674 |
| **13-1161** | Market Research Analysts and Marketing Specialists | 5,341 | 6,474 | 1,133 | 21.21% | 185 | 344 | 113 | 642 |

Work Experience Outlook

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Work Experience** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| Five Years or More | 115,870 | 121,732 | 5,862 | 5.06% | 4,985 | 5,109 | 586 | 10,680 |
| Less than Five Years | 162,124 | 175,851 | 13,727 | 8.47% | 6,661 | 9,413 | 1,374 | 17,448 |
| None | 1,173,514 | 1,243,643 | 70,129 | 5.98% | 61,335 | 75,760 | 6,993 | 144,088 |

# 2022-2032 Occupational Projections by Work Experience

Many occupations require experience beyond formal educational training, but most do not. Occupations requiring no experience beyond formal education are projected to add the most jobs, with an expected 70,129 jobs added over the 10-year period. These occupations are also expected to see 144,088 total annual job openings over the projection period. For occupations requiring less than five years of experience, 13,727 new jobs are estimated over the projection period, with 17,448 total annual openings expected. Occupations with five or more years of experience needed should see a net growth of 5,862 jobs over the projection period, with 10,680 annual openings over the 10-year period.



**Percent Growth by Work Experience**

**9%**

**8%**

**6%**

**8.47%**

**5%**

**5.06%**

**5.98%**

**3%**

**2%**

**0%**

**5 Years or Less**

**Less than 5 Years**

**None**

**On-the-Job Training Outlook**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Job Training** | **2022**  **Estimated Employment** | **2032**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| Apprenticeship | 19,886 | 21,348 | 1,462 | 7.35% | 692 | 1,066 | 145 | 1903 |
| Internship/Residency | 13,368 | 14,958 | 1,590 | 11.89% | 376 | 301 | 157 | 834 |
| Long-Term On-the-Job Training | 47,281 | 51,205 | 3,924 | 8.30% | 1,787 | 2,353 | 391 | 4531 |
| Moderate- Term On-the-Job Training | 278,972 | 293,246 | 14,274 | 5.12% | 11,735 | 16,217 | 1,422 | 29,374 |
| Short- Term On-the-Job Training | 564,398 | 588,194 | 23,796 | 4.22% | 37,394 | 45,112 | 2,380 | 84,886 |
| None | 527,603 | 572,275 | 44,672 | 8.47% | 20,997 | 25,233 | 4,458 | 50,688 |

Even with a formal education, many occupations require specialized on-the-job training before a person is fully viable in an occupation. All job training categories should see job gains. Internship/Residency could see the largest percent growth at 11.89 percent and should have 834 total annual openings. Occupations requiring no additional training beyond high school is slated to see the largest net growth with 44,672 expected jobs over the projection period and 50,688 annual job openings. Those requiring Short-Term On-the-Job Training is predicted to see 84,886 annual job openings.



**Percent Growth by Job Training**

**8.30%**

**3%**

**2%**

**0%**

**5.12%**

**4.22%**

**8.47%**

**Apprenticeship**

**Internship/Residency**

**Long-Term On-the-Job Training**

**Moderate-Term On-the-Job Training Short-Term On-the-Job Training**

**None**

|  |  |  |
| --- | --- | --- |
| **12%** |  | |
| **11%** |  |  |
| **9%** |  |  |
| **8%** |  |  |
| **6%** |  |  |
| **5%** | **7.35%** | **11.89%** |

### Appendix: Definition of Education/Training Codes

|  |  |  |
| --- | --- | --- |
| **Education Code** | **Type of Education** | **Definition** |
| DD | Doctoral or Professional 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 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 Educational Credential | Signifies completion of any level of primary or secondary education that did not result in a HS. |

|  |  |  |
| --- | --- | --- |
| **Job Training**  **Code** | **Type of Training** | **Definition** |
| App.. | Apprenticeship | Combination of on-the-job training and related classroom instruction in which workers learn the practical and theoretical aspects of an occupation. |
| I/R | Internship/Residency | Involves preparation in a field under supervision in a professional setting. Commonly results in a license upon completion. |
| LTOJT | Long-Term On-the-Job Training | Requires twelve months of training or a combination of work experience and classroom instruction. |
| MTOJT | Moderate- Term On-the-Job Training | Requires one to twelve months of a combination of work experience and classroom instruction. |
| STOJT | Short- Term On-the-Job Training | Requires a short demonstration of job duties or one month or less of training or work experience. |
| None | None | No additional training or preparation required. |

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

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