

Arkansas-Statewide

Short-Term Industry and

Occupational Projections

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**ARKANSAS**

**SHORT-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2020-2022**



Asa Hutchinson, Governor State of Arkansas

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

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**ARKANSAS**

**SHORT-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2020-2022**

Published By:

Division of Workforce Services Labor Market Information Occupational Career Information

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

**Definitions of Important Terms**

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

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**Local Workforce Development Areas**

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



**NW**

**NE**

**NC**

**W**

**E**

**WC C**

**LR**

**SE**

**SW**

#### North Central Arkansas Workforce Development Area

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

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

#### Western Arkansas Workforce Development Area

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

#### Central Arkansas Workforce Development Area

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

#### City of Little Rock Workforce Development Area

Inside the city limits of Little Rock

#### Eastern Arkansas Workforce Development Area

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

#### West Central Arkansas Workforce Development Area

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

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

and Union Counties

#### Southeast Arkansas Workforce Development Area

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

**Introduction**

The *Arkansas Short-Term Industry and Occupational Projections* publication includes an overview of where the Arkansas labor market may be heading in the near 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 classification of industries and businesses across the United States, Canada, and Mexico.

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

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

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

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

Many more projections-related information can be found on my Tableau pages. Go to the following website [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.

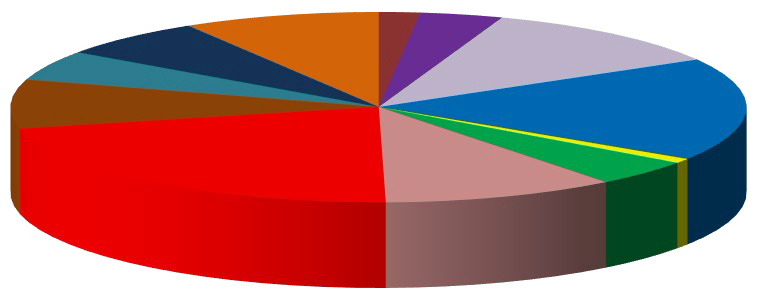
**State of Arkansas Profile**

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

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

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

Arkansas’ population, based on United States Census Bureau data estimates, was 3,030,522 as of July 1, 2020, an increase of 9,537 residents from the July 1, 2019 estimate of 3,020,985. The not-seasonally adjusted average unemployment rate for first quarter 2020 was 4.1 percent, while the seasonally adjusted number was 3.8 percent.



**Employment Distribution (First Quarter 2020)**

**8.68%**

**1.81%**

**3.65%**

**11.22%**

**6.57%**

**5.11%**

**8.34%**

**17.50%**

**0.77%**

**21.61%**

**10.27%**

**4.47%**

**Natural Resources and Mining**

**Construction Manufacturing**

**Trade, Transportation, and Utilities Information**

**Financial Activities**

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

**Other Services Government**

**Self-Employed and Unpaid Family Workers**

**Methodology**

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

### Data Development

Data development is accomplished by using the following sources:

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

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

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

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

### Industry Projections

A monthly time series is developed at the three- and four-digit NAICS levels from the three sources listed above, with a time period of January 1990 to March of the base year 2020. The industry projections in this publication were produced using the *Projections Suite* software, authorized by the

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

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

### Occupational Projections

Occupational projections are produced by merging industries and occupations together into an industry-occupational matrix. This matrix is a table showing the occupational pattern of each industry (i.e., the ratios of employment by occupation in a specific industry). The statewide matrix is based on the Bureau of Labor Statistics’ Occupational Employment Statistics (OES) survey and uses a Standard Occupational Classification (SOC) code for each occupation. It uses the May 2019 OES semiannual survey to establish state staffing patterns and is provided through the Local Employment and Wage Information System (LEWIS). National staffing patterns are used where state patterns do not exist.

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

### Data Limitations

The projections contained in this publication are estimates based on historical data. It is important not to rely on these projections as the actual employment numbers that will occur in 2022. While every attempt is made to incorporate current and near-future events, such as business closings, corporate layoffs, openings, and expansions, it’s not possible to know everything that might happen. Events that may take place after the projection period or announcements concerning closings, layoffs, openings, and expansions known after projections were completed are not reflected in the forecasts. Also, legislative policy could cause employment to change. Events such as these will likely cause the actual employment numbers to vary significantly from these projections.

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

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

### COVID Effects

With the base employment being in first quarter 2020, the economic and job-loss effects of the COVID-19 pandemic were not included in the historical series. The job loss is generally thought to have occurred in the second quarter 2020 with recovery beginning in the third quarter. Based on available numbers from second and third quarter 2020, adjustments were made to the projections to account for the job loss and recovery. Keep in mind that these adjustments are estimates and intended to gauge the recovery of the job market up to the projection quarter of first quarter 2022.

## EXPLANATION OF INDUSTRY PROJECTIONS DATA ARKANSAS-STATEWIDE

2020-2022

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Net Growth** | **Percent Growth** |
| Industry code according to the North American Industry Classification System (NAICS) Title and Coding Structure | Industry title according to the North American Industry Classification System (NAICS) Title and Coding Structure | An estimate of the number of jobs in an industry in 2020 | The projected number of jobs expected to be in an industry in 2022 | Total number of jobs an industry is expected to gain or lose over the 2020 to 2022 period | Percent change in the number of jobs in an industry over the 2020 to 2022 period |

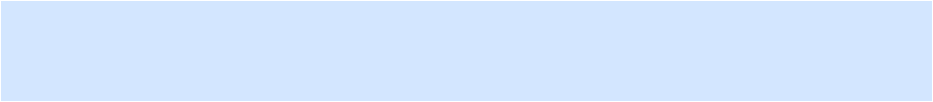
#### 2020-2022 Arkansas Statewide Industry Projections by Major Division

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **000000** | **TOTAL ALL INDUSTRIES** | **1,431,344** | **1,420,248** | **-11,096** | **-0.78%** |
| **000671** | **Total Self Employed and Unpaid Family Workers, All Jobs** | **124,201** | **121,845** | **-2,356** | **-1.90%** |
| 006010 | Self Employed Workers, All Jobs | 117,329 | 115,227 | -2,102 | -1.79% |
| 007010 | Unpaid Family Workers, All Jobs | 6,872 | 6,618 | -254 | -3.70% |
| 101000 | Goods Producing | 238,719 | 237,482 | -1,237 | -0.52% |
| **101100** | **NATURAL RESOURCES AND MINING** | **25,890** | **25,499** | **-391** | **-1.51%** |
| 110000 | Agriculture, Forestry, Fishing and Hunting | 22,303 | 22,157 | -146 | -0.65% |
| 210000 | Mining | 3,587 | 3,342 | -245 | -6.83% |
| **101200** | **CONSTRUCTION** | **52,189** | **54,128** | **1,939** | **3.72%** |
| **101300** | **MANUFACTURING** | **160,640** | **157,855** | **-2,785** | **-1.73%** |
|  | **Non-Durable Goods Manufacturing** | **84,397** | **84,143** | **-254** | **-0.30%** |
|  | **Durable Goods Manufacturing** | **76,243** | **73,712** | **-2,531** | **-3.32%** |
| 102000 | Services Providing | 1,068,424 | 1,061,591 | -6,833 | -0.64% |
| **102100** | **TRADE, TRANSPORTATION, AND UTILITIES** | **250,517** | **249,015** | **-1,502** | **-0.60%** |
| 220000 | Utilities | 7,880 | 7,938 | 58 | 0.74% |
| 420000 | Wholesale Trade | 47,294 | 49,096 | 1,802 | 3.81% |
| 440000 | Retail Trade | 135,330 | 133,168 | -2,162 | -1.60% |
| 480000 | Transportation and Warehousing | 60,013 | 58,813 | -1,200 | -2.00% |
| **102200** | **INFORMATION** | **11,078** | **9,826** | **-1,252** | **-11.30%** |
| **102300** | **FINANCIAL ACTIVITIES** | **63,976** | **65,637** | **1,661** | **2.60%** |
| 520000 | Finance and Insurance | 50,274 | 51,759 | 1,485 | 2.95% |
| 530000 | Real Estate and Rental and Leasing | 13,702 | 13,878 | 176 | 1.28% |
| **102400** | **PROFESSIONAL AND BUSINESS SERVICES** | **147,025** | **147,971** | **946** | **0.64%** |
| 540000 | Professional, Scientific, and Technical Services | 45,425 | 46,906 | 1,481 | 3.26% |
| 550000 | Management of Companies and Enterprises | 34,485 | 34,951 | 466 | 1.35% |
| 560000 | Administrative and Support and Waste Management and Remediation Services | 67,115 | 66,114 | -1,001 | -1.49% |
| **102500** | **EDUCATION AND HEALTH SERVICES** | **309,291** | **310,907** | **1,616** | **0.52%** |
| 610000 | Educational Services | 116,343 | 116,914 | 571 | 0.49% |
| 620000 | Health Care and Social Assistance | 192,948 | 193,993 | 1,045 | 0.54% |
| **102600** | **LEISURE AND HOSPITALITY** | **119,392** | **108,400** | **-10,992** | **-9.21%** |
| 710000 | Arts, Entertainment, and Recreation | 11,577 | 11,050 | -527 | -4.55% |
| 720000 | Accommodation and Food Services | 107,815 | 97,350 | -10,465 | -9.71% |
| **102700** | **OTHER SERVICES (EXCEPT GOVERNMENT)** | **73,132** | **74,349** | **1,217** | **1.66%** |
| **102800** | **GOVERNMENT** | **94,013** | **94,816** | **803** | **0.85%** |

**Industry Outlook**

Between first quarter 2019 and first quarter 2020, an increase of just 5,923 jobs was seen in the Arkansas economy, which translates to less than a

0.5 percent increase in jobs. This was right before the COVID-19 pandemic caused widespread job loss in the job market, causing more than 36,420 jobs to be lost. During the 2020-2022 projection period, the job market could lose 11,096 jobs, a 0.78 percent decline, which translates to a job recovery of 25,324, or 69.5 percent of p]re-COVID employment. Goods-Producing industries are estimated to see a net loss of 1,237 jobs, while the Services-Providing industries are forecast to decrease employment by 6,833. Arkansas’ self-employed and unpaid family workers ranks are also estimated to experience a net loss in the amount of 2,356, a decrease of 1.90 percent.



**Natural Resources and Mining**

**Construction**

**Manufacturing**

**1,200**

**1,939**

**200**

**-800**

**-391**

**-2,785**

**-1,800**

**-2,800**

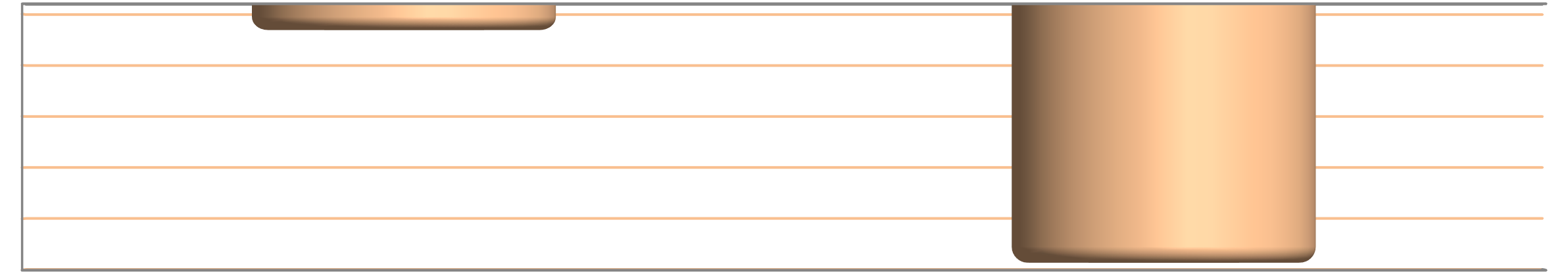
**Goods-Producing Industries**

**Numeric Change**

The **Natural Resources and Mining** supersector is projected to experience a net loss of 391 jobs, or 1.51 percent of its workforce. This industry group was minimally impacted by the pandemic, losing less than five percent of its employment. The **Agriculture, Forestry, Fishing, and Hunting** sector is estimated to lose 146 jobs. The greatest contributor of this loss is due to the non-covered job losses. Bureau of Economic Analysis estimates show a loss of nearly 300 farming jobs between 2017 and 2019**.** The industry sector gained during the pandemic. The **Mining** sector is projected to lose 245 jobs between 2020 and 2022. The sector lost 112 jobs during the pandemic. Most of the projected loss is in *Support Activities for Mining*, with a loss of 224, or 18.93 percent of its workforce, placing in the Top 20 Fastest Declining industries list.

Among Goods-Producing supersectors, **Construction** is slated to have the brightest outlook, with a gain of 1,939 jobs during the 2020-2022 projection period. The industry group experienced a job gain during the pandemic. *Specialty Trade Contractors* is estimated to gain 1,317, more than two-thirds of the overall **Construction** growth. Building Equipment Contractors is set to add 1,135 jobs during the projection period, placing third on the Top 20 Growing Industries list. Building Finishing Contractors could lose 21 jobs, or 0.57 percent of its workforce.

The **Manufacturing** supersector is predicted to experience a net loss of 2,785 jobs during the projection period. The industry group lost 9,733 jobs between first quarter 2020 and second quarter 2020. **Non-Durable Goods Manufacturing** is estimated to lose 254 jobs between 2020 and 2022. Non-Durable Goods industries lost nearly 4,000 jobs during the pandemic and could recover nearly 93 percent of those jobs by first quarter 2022. *Food Manufacturing* could see the brightest outlook, with a gain of 965. Animal Slaughtering and Processing is slated to rank ninth is numeric growth, with an anticipated gain of 654 jobs. On the negative side, *Printing and Related Support Activities* could see the toughest outlook, losing 639 jobs, or 17.34 percent of its workforce, becoming seventh in numeric decline. The industry lost nearly a quarter of its workforce during the pandemic with recovery being slow. Apparel Knitting Mills is predicted to lose 30.52 percent of its workforce, placing sixth among fastest declining industries.



**Manufacturing**

**Non-Durable Goods**

**Durable Goods**

**-100**

**-600**

**-1,100**

**-1,600**

**-254**

**-2,531**

**-2,100**

**-2,600**

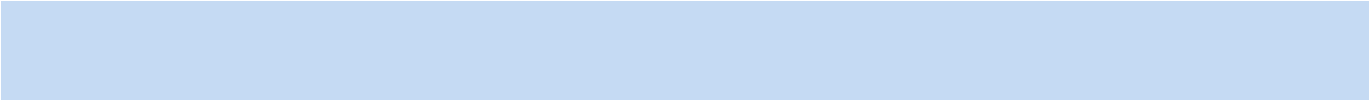
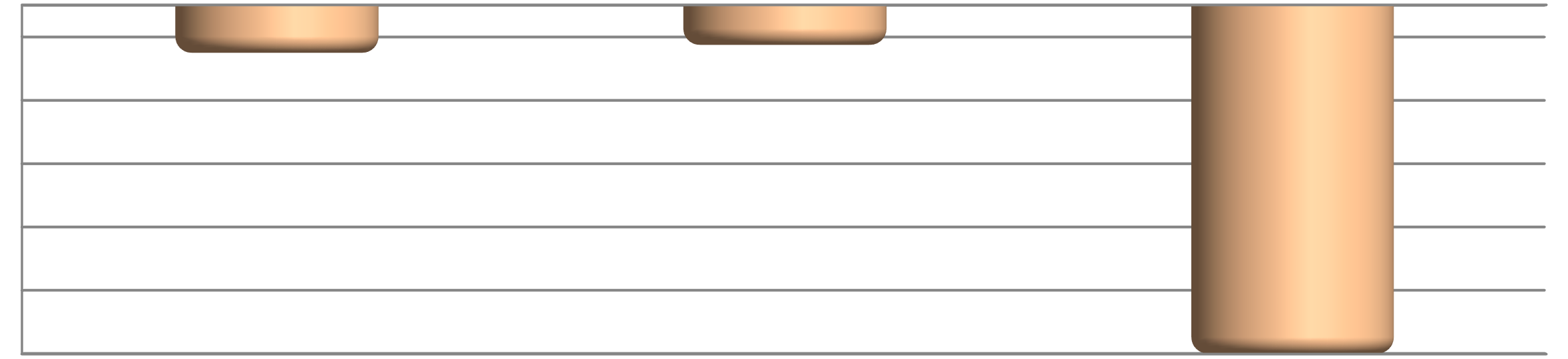
**Numeric Change**

**Durable Goods Manufacturing** could see a much worse outcome, with a loss of 2,531 jobs. The industry group lost 5,767 jobs during the pandemic. This would indicate a possible 52 percent recovery for this industry sector. *Fabricated Metal Product Manufacturing* may have the brightest outlook, with a projected gain of 504 new jobs during the projection period. Household Appliance Manufacturing may double its employment by first quarter 2022 due to new business operations, becoming the fastest growing industry in the state. On the negative side of the job market, Machinery Manufacturing is predicted to be ninth is numeric decline losing an estimated 635 jobs during the projection period. In all, eight of 10 Durable Goods subsectors are estimated to see overall declines between 2020 and 2022. The largest drop could come in *Transportation Equipment Manufacturing*, with a loss of 692 jobs. *Computer and Electronic Product Manufacturing* could also cut staffing by 11.51 percent.

The **Trade, Transportation, and Utilities** supersector is forecasted to experience a mixed outlook, with a net loss of 1,502 jobs, or just 0.60 percent of its workforce. The **Wholesale Trade** sector is estimated to gain 1,802 new jobs during the projection period. The industry sector lost 1,486 jobs during the pandemic. Merchant Wholesalers, Durable Goods is slated to be the top growing industry in the state with 1,952 new jobs and fifth in percent change, increasing by 7.97 percent. New businesses on the pipeline are the major contributing factor to this.

The **Retail Trade** sector is projected to lose 2,162 jobs, or 1.60 percent of its workforce during the projection period. The industry lost 5,998 jobs

during the pandemic. The industry is not just affected by the pandemic, but also a push toward e-commerce and a rash of retailer closures and bankruptcies. This translates to about a 57 percent recovery by first quarter 2022. *Clothing and Clothing Accessories Stores* could see the toughest outlook among **Retail Trade** subsectors, losing an estimated 1,284 jobs, or 17.41 percent of its workforce. Clothing Stores drives this decline, with an expected loss of 1,001 jobs between first quarter 2020 and first quarter 2022, placing the industry fifth in numeric decline. Vending Machine Operators and Book, Periodical, and Music Stores are forecasted to cut 35.15 and 27.86 percent of its respective workforce, each placing among the top ten fastest declining industries. One bright spot in **Retail Trade** is *Building Material and Garden Equipment and Supplies Dealers*, which is slated to add 350 jobs during the projection period.



**Services-Providing Industries-Chart 1**

**Trade, Transportation, and**

**Utilities Information Leisure and Hospitality**

**-1,000**

**-1,502**

**-1,252**

**-3,000**

**-5,000**

**-7,000**

**-9,000**

**-10,992**

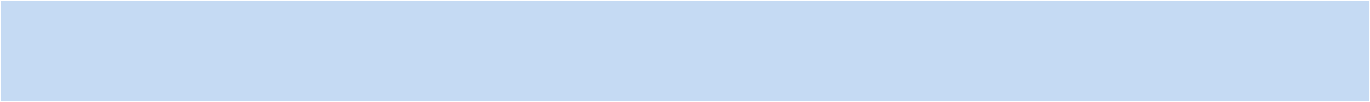
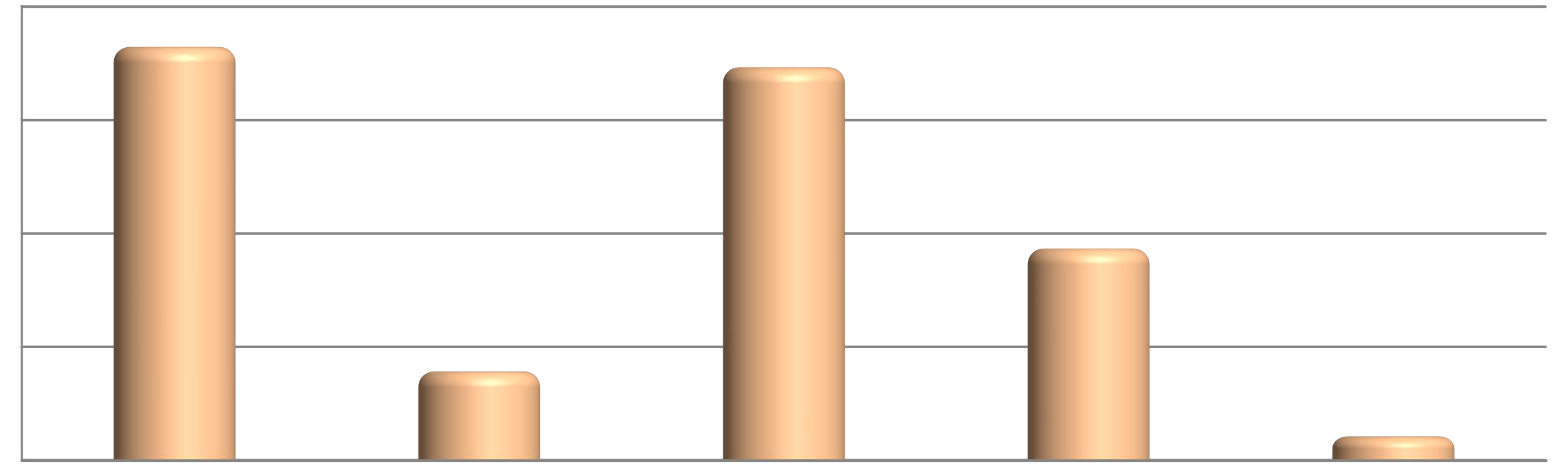
**-11,000**

**Numeric Change**

The **Transportation and Warehousing** sector could see a loss of 1,200 jobs during the projection period, a two percent reduction in employment. The industry sector saw a loss of 3,171 jobs during the pandemic, translating to a 62.15 percent recovery. *Truck Transportation* is predicted to lose 473 jobs between first quarter 2020 and first quarter 2022. The industry lost over 1,000 jobs during the pandemic and should recover more than half that by March 2022. School and Employee Bus Transportation is slated to lose 26.67 percent of its workforce as current safety guidelines could cause slow recovery for this industry. On the positive side of the job market, *Warehousing and Storage* could see an influx of new business, resulting in a job gain of 296. Freight Transportation Arrangement is predicted to increase employment by 8.88 percent and be among the ten fastest growing industries in the state.

The **Utilities** sector is slated to gain 58 jobs between 2020 and 2022. The industry had minimal change during the pandemic. Electric Power Generation, Transmission and Distribution is predicted to add 49 jobs, while Water, Sewage and Other Systems could see 25 new jobs. Natural Gas Distribution could see a small drop in jobs, losing 1.56 percent of its employment.

The **Information** supersector is projected to lose 1,252 jobs during the projection period. The industry group lost 1,104 jobs between first and second quarter 2020, indicating this industry is likely to continue to struggle with a move to online options. More than half of the loss is expected to occur in *Motion Picture and Sound Recording Industries*, losing 669 jobs. The industry subsector lost more than 60 percent of its workforce during the pandemic as theaters were forced to close amid state restrictions and as Hollywood and other movie producers were not making new movies.



**Services-Providing Industries-Chart 2**

**Other Services Professional and Education and (Except**

**Financial Activities Business Services Health Services Government)**

**Government**

**1,750**

**1,500**

**1,661**

**1,616**

**1,250**

**1,217**

**1,000**

**946**

**803**

**750**

**Numeric Change**

Motion Picture and Video Industries is slated to be the fastest declining industry in the state, losing 55.28 percent of its workforce, making it sixth in numeric decline. This industry could continue to struggle as online movie streaming options become more available. However, there are a few bright spots. Software Publishers is projected to be third in the state in percent growth, increasing its workforce by 11.05 percent. *Data Processing, Hosting and Related Services* is predicted to add 73 jobs to its workforce by March 2022.

The **Financial Activities** supersector is projected to add 1,661 jobs during the projection period. The **Finance and Insurance** sector is slated to grow by 1,485 jobs. The industry sector was minimally impacted during the pandemic, losing only 229 jobs. Credit Intermediation and Related Activities is predicted to gain 689 jobs between first quarter 2020 and first quarter 2022, placing eighth in numeric change. *Insurance Carriers and Related Activities* is also forecasted to see strong growth, adding 755 new jobs to its workforce.

The **Real Estate and Rental and Leasing** sector is estimated to experience a net gain of 176 jobs. The sector lost 442 jobs during the pandemic

and could exceed pre-pandemic employment by March 2022. The *Real Estate* subsector is slated to add 304 new jobs, while *Rental and Leasing Services* could lose 125 jobs.

The **Professional and Business Services** supersector is predicted to gain 946 jobs during the projection period. The industry group lost 12,223 jobs during the pandemic but could experience a full recovery by March 2022. The **Professional, Scientific, and Technical Services** sector is slated to add 1,481 new jobs. The industry sector lost 2,048 jobs between first and second quarter 2020. Each industry in this sector is set to add jobs with Management, Scientific, and Technical Consulting Services adding 368, making the Top 20 Growing Industries list as well as the Top 20 Fastest Growing Industries list. Scientific Research and Development Services is projected to increase staffing by 8.57 percent, placing among the ten fastest growing industries.

**Management of Companies and Enterprises** could increase employment by 466 jobs during the projection period. The sector lost 864 jobs during the pandemic.

The **Administrative and Support and Waste Management and Remediation Services** sector is projected to lose 1,001 jobs between 2020 and 2022. The industry sector lost 9,311 jobs during the pandemic. A mixed outlook is predicted as the *Administrative and Support Services* subsector is estimated to lose 1,206 jobs. Employment Services is slated to lose 2,526 jobs, placing second in the state in numeric decline. Travel Arrangement and Reservation Services is predicted to be the third fastest declining industry, with a 40.11 percent decline. The industry lost 100 jobs in the second quarter and could continue to struggle as travel and tourism was severely reduced and struggles to bounce back. On the positive side, Services to Buildings and Dwellings is forecasted to add 750 jobs, while Business Support Services is expected to experience a gain of 716 jobs, respectively.

The *Waste Management and Remediation Service* subsector is predicted to gain 205 jobs.

Among growing supersectors in the state, **Education and Health Services** could see the largest growth during the 2020 and 2022 projection period, but at a much lower level than previous rounds, gaining 1,616 new jobs, or just 0.52 percent increase. The industry supersector was not immune to the effects of the pandemic, losing 19,555 jobs between first quarter and second quarter 2020, some of which are seasonal factors, but the industry tends to be resilient in economic downturns. The **Educational Services** sector is estimated to gain 571 new jobs during the projection period. Elementary and Secondary Schools drives this growth, with an expected gain of 472 jobs. The industry lost 4,160 jobs during the pandemic as schools switched to virtual learning across the state. About a quarter of the loss is due to regular seasonal factors.

The **Healthcare and Social Assistance** sector is slated to gain 1,045 new jobs during the projection period. The outlook, however, is mixed. The sector lost 12,702 jobs during the pandemic. Most of the gain is estimated to occur in *Ambulatory Health Care Services*, gaining 1,543 new jobs.

This industry lost 4,797 jobs as elective procedures were suspended and multiple furlough announcements were reported. Offices of Physicians is set to be fourth in numeric change, adding 880 new jobs to its workforce. On the negative side of the job market, *Nursing and Residential Care Facilities* is projected to lose 176 jobs. Contributing to this loss is Nursing Care Facilities (Skilled Nursing Facilities), estimated to lose 396 jobs by March 2022. The *Social Assistance* subsector could also be significantly impacted and slow to recover, experiencing a net loss of 572 jobs.

The **Leisure and Hospitality** supersector was the hardest hit by the pandemic. The industry group lost 27,943 jobs as restrictions were placed heavily on this supersector. The industry could see a recovery of about 60.66 percent but will likely still see a significant loss of jobs during the

projection period, losing a total of 10,992 jobs during the projection period, a 9.21 percent reduction. The **Arts, Entertainment, and Recreation** sector is slated to lose 527 jobs between 2020 and 2022. Most of the decline is likely to occur in *Performing Arts, Spectator Sports, and Related Industries*, a 28.43 percent job loss. Spectator Sports was severely reduced during the pandemic with cancellations of sports seasons and reduction of fan participation. The industry could lose about a quarter of its workforce during the projection period, or 559 jobs. Promoters of Performing Arts, Sports, and Similar Events could lose 52.73 percent, while Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures could be set back by 33.93 percent, placing second and fifth, respectively, in the Top 20 Fastest Declining Industries list. The industries could be slow to recover as entertainment venues were forced to cut back in-person operations and limit performances and concerts. A few positive outcomes in the **Arts, Entertainment, and Recreation** sector come in Museums, Historical Sites, and Similar Institution, which is predicted to increase by 8.92 percent, fifth fastest in the state, and the Amusement, Gambling, and Recreation Industries, increasing by 374 jobs, as casino operations gear up in the state.

**Accommodation and Food Services** is likely to see the worst outlook among industry sectors in the state. The industry sector is projected to lose 10,465 jobs between first quarter 2020 and first quarter 2022. It lost 24,936 between first and second quarter 2020. The entire sector was affected by state and federal restrictions on travel and tourism as well as limits on in-person dining. *Accommodation, including Hotels and Motels* is predicted to lose 1,350 jobs. Traveler Accommodation could see the brunt of the decline, with a decline of 1,342, third highest decline in the state. The only positive industry in the entire sector is RV (Recreational Vehicle) Parks and Recreational Camps, projected to have a small net gain by March 2022. *Food Services and Drinking Places* is likely to see a difficult recovery, having the largest drop of any subsector. The industry is forecast to lose 9,115 jobs during the projection period, which translates to a 57.79 percent recovery by first quarter 2022. Restaurants and Other Eating Places is slated to be the top declining industry, with a loss of 7,783 jobs. Special Food Services is fourth, losing 1,091 jobs, while Drinking Places (Alcoholic Beverages), which include bars, is estimated to lose a quarter of its workforce, placing among the ten fastest declining industries in the state.

The **Other Services (Except Government)** supersector is projected to gain 1,217 jobs between 2020 and 2022. The industry group lost 2,387 covered employment jobs during the pandemic. The outlook is, however, mixed. *Religious, Grantmaking, Civic, Professional, and Similar Organizations* is estimated to gain 1,720 new jobs between 2020 and 2022. Religious Organizations is likely to weather the storm of the pandemic, even though in-person worship services were curtailed in the leading months of the pandemic. The industry is slated to gain 781 new jobs during the projection period. Social Advocacy Organizations also is among the ten highest growing industries, as well as fifth in percent growth, predicted to add 534 new jobs, or 9.67 percent, to its workforce. Grantmaking and Giving Services is forecasted to grow by 15.04 percent, second fastest in the state. The downside of this industry group is *Personal and Laundry Services*, which lost 1,417 jobs during the pandemic. The industry could experience a loss of 523 jobs during the projection period, for a 63.09 percent recovery between second quarter 2020 and first quarter 2022.

Drycleaning and Laundry Services could see the toughest outlook, losing 380 jobs, or 17.82 percent of its workforce, placing in both the Top 20 Declining Industries and the Top 20 Fastest Declining Industries lists.

**Government** employers are estimated to increase by 803 new jobs between first quarter 2020 and first quarter 2022. Federal Government, Excluding Post Office is projected to add 325 new jobs, while Postal Service is anticipated to lose 131 jobs. State Government, Excluding Education and Hospitals is projected to cut 546 jobs, while Local Government, Excluding Education and Hospitals is forecasted to be second in the state in numeric change, gaining 1,155 during the projection period. The industry gained 971 between first quarter 2019 and first quarter 2020.

## Top 20 Growing Industries by Numeric Change

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| 423000 | Merchant Wholesalers, Durable Goods | 24,481 | 26,433 | **1,952** | 7.97% |
| 999300 | Local Government, Excluding Education and Hospitals | 41,758 | 42,913 | **1,155** | 2.77% |
| 238200 | Building Equipment Contractors | 18,655 | 19,790 | **1,135** | 6.08% |
| 621100 | Offices of Physicians | 26,309 | 27,189 | **880** | 3.34% |
| 813100 | Religious Organizations | 34,162 | 34,943 | **781** | 2.29% |
| 561700 | Services to Buildings and Dwellings | 14,777 | 15,527 | **750** | 5.08% |
| 561400 | Business Support Services | 9,344 | 10,060 | **716** | 7.66% |
| 522000 | Credit Intermediation and Related Activities | 19,864 | 20,553 | **689** | 3.47% |
| 311600 | Animal Slaughtering and Processing | 34,070 | 34,724 | **654** | 1.92% |
| 813300 | Social Advocacy Organizations | 5,522 | 6,056 | **534** | 9.67% |
| 813200 | Grantmaking and Giving Services | 3,490 | 4,015 | **525** | 15.04% |
| 524100 | Insurance Carriers | 18,590 | 19,112 | **522** | 2.81% |
| 332000 | Fabricated Metal Product Manufacturing | 14,833 | 15,337 | **504** | 3.40% |
| 611100 | Elementary and Secondary Schools | 78,482 | 78,954 | **472** | 0.60% |
| 551000 | Management of Companies and Enterprises | 34,485 | 34,951 | **466** | 1.35% |
| 541600 | Management, Scientific, and Technical Consulting Services | 6,128 | 6,496 | **368** | 6.01% |
| 541500 | Computer Systems Design and Related Services | 10,321 | 10,653 | **332** | 3.22% |
| 999100 | Federal Government, Excluding Post Office | 15,327 | 15,652 | **325** | 2.12% |
| 237100 | Utility System Construction | 4,640 | 4,949 | **309** | 6.66% |
| 531000 | Real Estate | 9,738 | 10,042 | **304** | 3.12% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| 335200 | Household Appliance Manufacturing | 26 | 55 | 29 | **111.54%** |
| 813200 | Grantmaking and Giving Services | 3,490 | 4,015 | 525 | **15.04%** |
| 511200 | Software Publishers | 362 | 402 | 40 | **11.05%** |
| 813300 | Social Advocacy Organizations | 5,522 | 6,056 | 534 | **9.67%** |
| 712000 | Museums, Historical Sites, and Similar Institution | 751 | 818 | 67 | **8.92%** |
| 488500 | Freight Transportation Arrangement | 2,253 | 2,453 | 200 | **8.88%** |
| 541700 | Scientific Research and Development Services | 887 | 963 | 76 | **8.57%** |
| 423000 | Merchant Wholesalers, Durable Goods | 24,481 | 26,433 | 1,952 | **7.97%** |
| 561400 | Business Support Services | 9,344 | 10,060 | 716 | **7.66%** |
| 711500 | Independent Artists, Writers, and Performers | 80 | 86 | 6 | **7.50%** |
| 561900 | Other Support Services | 1,267 | 1,361 | 94 | **7.42%** |
| 237100 | Utility System Construction | 4,640 | 4,949 | 309 | **6.66%** |
| 336400 | Aerospace Product and Parts Manufacturing | 4,282 | 4,558 | 276 | **6.45%** |
| 622200 | Psychiatric and Substance Abuse Hospitals | 3,455 | 3,672 | 217 | **6.28%** |
| 238200 | Building Equipment Contractors | 18,655 | 19,790 | 1,135 | **6.08%** |
| 562900 | Remediation and Other Waste Management Services | 1,336 | 1,417 | 81 | **6.06%** |
| 541600 | Management, Scientific, and Technical Consulting Services | 6,128 | 6,496 | 368 | **6.01%** |
| 611400 | Business Schools and Computer and Management Training | 141 | 149 | 8 | **5.67%** |
| 562100 | Waste Collection | 1,293 | 1,366 | 73 | **5.65%** |
| 312000 | Beverage and Tobacco Product Manufacturing | 1,462 | 1,544 | 82 | **5.61%** |

Top 20 Declining Industries by Numeric Change

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| 722500 | Restaurants and Other Eating Places | 90,406 | 82,623 | **-7,783** | -8.61% |
| 561300 | Employment Services | 27,548 | 25,022 | **-2,526** | -9.17% |
| 721100 | Traveler Accommodation | 10,851 | 9,509 | **-1,342** | -12.37% |
| 722300 | Special Food Services | 5,026 | 3,935 | **-1,091** | -21.71% |
| 448100 | Clothing Stores | 5,618 | 4,617 | **-1,001** | -17.82% |
| 512100 | Motion Picture and Video Industries | 1,212 | 542 | **-670** | -55.28% |
| 323000 | Printing and Related Support Activities | 3,686 | 3,047 | **-639** | -17.34% |
| 333000 | Machinery Manufacturing | 11,698 | 11,063 | **-635** | -5.43% |
| 711200 | Spectator Sports | 2,159 | 1,600 | **-559** | -25.89% |
| 999200 | State Government, Excluding Education and Hospitals | 31,416 | 30,870 | **-546** | -1.74% |
| 484000 | Truck Transportation | 32,671 | 32,198 | **-473** | -1.45% |
| 511100 | Newspaper, Periodical, Book, and Directory Publishers | 2,299 | 1,833 | **-466** | -20.27% |
| 331200 | Steel Product Manufacturing from Purchased Steel | 2,271 | 1,858 | **-413** | -18.19% |
| 623100 | Nursing Care Facilities (Skilled Nursing Facilities) | 22,551 | 22,155 | **-396** | -1.76% |
| 443000 | Electronics and Appliance Stores | 3,157 | 2,765 | **-392** | -12.42% |
| 336600 | Ship and Boat Building | 2,387 | 1,998 | **-389** | -16.30% |
| 812300 | Drycleaning and Laundry Services | 2,133 | 1,753 | **-380** | -17.82% |
| 711300 | Promoters of Performing Arts, Sports, and Similar Events | 696 | 329 | **-367** | -52.73% |
| 561200 | Facilities Support Services | 1,496 | 1,151 | **-345** | -23.06% |
| 335300 | Electrical Equipment Manufacturing | 2,671 | 2,334 | **-337** | -12.62% |
| 336300 | Motor Vehicle Parts Manufacturing | 5,130 | 4,793 | **-337** | -6.57% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| 512100 | Motion Picture and Video Industries | 1,212 | 542 | -670 | **-55.28%** |
| 711300 | Promoters of Performing Arts, Sports, and Similar Events | 696 | 329 | -367 | **-52.73%** |
| 561500 | Travel Arrangement and Reservation Services | 354 | 212 | -142 | **-40.11%** |
| 454200 | Vending Machine Operators | 404 | 262 | -142 | **-35.15%** |
| 711400 | Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures | 56 | 37 | -19 | **-33.93%** |
| 315100 | Apparel Knitting Mills | 439 | 305 | -134 | **-30.52%** |
| 451200 | Book, Periodical, and Music Stores | 499 | 360 | -139 | **-27.86%** |
| 485400 | School and Employee Bus Transportation | 435 | 319 | -116 | **-26.67%** |
| 711200 | Spectator Sports | 2,159 | 1,600 | -559 | **-25.89%** |
| 722400 | Drinking Places (Alcoholic Beverages) | 964 | 723 | -241 | **-25.00%** |
| 485300 | Taxi and Limousine Service | 296 | 225 | -71 | **-23.99%** |
| 561200 | Facilities Support Services | 1,496 | 1,151 | -345 | **-23.06%** |
| 722300 | Special Food Services | 5,026 | 3,935 | -1,091 | **-21.71%** |
| 511100 | Newspaper, Periodical, Book, and Directory Publishers | 2,299 | 1,833 | -466 | **-20.27%** |
| 331500 | Foundries | 1,278 | 1,022 | -256 | **-20.03%** |
| 213000 | Support Activities for Mining | 1,183 | 959 | -224 | **-18.93%** |
| 331200 | Steel Product Manufacturing from Purchased Steel | 2,271 | 1,858 | -413 | **-18.19%** |
| 813400 | Civic and Social Organizations | 1,134 | 931 | -203 | **-17.90%** |
| 448100 | Clothing Stores | 5,618 | 4,617 | -1,001 | **-17.82%** |
| 812300 | Drycleaning and Laundry Services | 2,133 | 1,753 | -380 | **-17.82%** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS**  **Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **000000** | **TOTAL ALL INDUSTRIES** | **1,431,344** | **1,420,248** | **-11,096** | **-0.78%** |
|  |  |  |  |  |  |
| ***000671*** | ***Total Self Employed and Unpaid Family Workers, All Jobs*** | ***124,201*** | ***121,845*** | ***-2,356*** | ***-1.90%*** |
| **006010** | Self Employed Workers, All Jobs | 117,329 | 115,227 | -2,102 | -1.79% |
| **007010** | Unpaid Family Workers, All Jobs | 6,872 | 6,618 | -254 | -3.70% |
|  |  |  |  |  |  |
| **101000** | Goods Producing | 238,719 | 237,482 | -1,237 | -0.52% |
|  |  |  |  |  |  |
| **101100** | **NATURAL RESOURCES AND MINING** | **25,890** | **25,499** | **-391** | **-1.51%** |
|  |  |  |  |  |  |
| **110000** | **Agriculture, Forestry, Fishing and Hunting** | **22,303** | **22,157** | **-146** | **-0.65%** |
| ***111000*** | *Crop Production* | *7,212* | *7,146* | *-66* | *-0.92%* |
| ***112000*** | *Animal Production* | *6,799* | *6,713* | *-86* | *-1.26%* |
| ***115000*** | *Support Activities for Agriculture and Forestry* | *5,899* | *5,987* | *88* | *1.49%* |
|  | *Other* | *2,393* | *2,311* | *-82* | *-3.43%* |
|  |  |  |  |  |  |
| **210000** | **Mining** | **3,587** | **3,342** | **-245** | **-6.83%** |
| ***211000*** | *Oil and Gas Extraction* | *615* | *560* | *-55* | *-8.94%* |
| ***212000*** | *Mining (except Oil and Gas)* | *1,789* | *1,823* | *34* | *1.90%* |
| ***213000*** | *Support Activities for Mining* | *1,183* | *959* | *-224* | *-18.93%* |
|  |  |  |  |  |  |
| **101200** | **CONSTRUCTION** | **52,189** | **54,128** | **1,939** | **3.72%** |
|  |  |  |  |  |  |
| ***236000*** | *Construction of Buildings* | *11,020* | *11,272* | *252* | *2.29%* |
| **236100** | Residential Building Construction | 3,662 | 3,862 | 200 | 5.46% |
| **236200** | Nonresidential Building Construction | 7,358 | 7,410 | 52 | 0.71% |
| ***237000*** | *Heavy and Civil Engineering Construction* | *8,096* | *8,466* | *370* | *4.57%* |
| **237100** | Utility System Construction | 4,640 | 4,949 | 309 | 6.66% |
| **237200** | Land Subdivision | 112 | 102 | -10 | -8.93% |
| **237300** | Highway, Street, and Bridge Construction | 2,538 | 2,614 | 76 | 2.99% |
| **237900** | Other Heavy and Civil Engineering Construction | 806 | 801 | -5 | -0.62% |
| ***238000*** | *Specialty Trade Contractors* | *33,073* | *34,390* | *1,317* | *3.98%* |
| **238100** | Foundation, Structure, and Building Exterior Contractors | 5,866 | 5,923 | 57 | 0.97% |
| **238200** | Building Equipment Contractors | 18,655 | 19,790 | 1,135 | 6.08% |
| **238300** | Building Finishing Contractors | 3,682 | 3,661 | -21 | -0.57% |
| **238900** | Other Specialty Trade Contractors | 4,870 | 5,016 | 146 | 3.00% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS**  **Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **101300** | **MANUFACTURING** | **160,640** | **157,855** | **-2,785** | **-1.73%** |
|  |  |  |  |  |  |
|  | **Non-Durable Goods Manufacturing** | **84,397** | **84,143** | **-254** | **-0.30%** |
| ***311000*** | *Food Manufacturing* | *49,889* | *50,854* | *965* | *1.93%* |
| **311100** | Animal Food Manufacturing | 1,753 | 1,733 | -20 | -1.14% |
| **311200** | Grain and Oilseed Milling | 2,821 | 2,979 | 158 | 5.60% |
| **311400** | Fruit and Vegetable Preserving and Specialty Food Manufacturing | 4,263 | 4,344 | 81 | 1.90% |
| **311500** | Dairy Product Manufacturing | 570 | 582 | 12 | 2.11% |
| **311600** | Animal Slaughtering and Processing | 34,070 | 34,724 | 654 | 1.92% |
| **311800** | Bakeries and Tortilla Manufacturing | 3,972 | 3,983 | 11 | 0.28% |
| **311900** | Other Food Manufacturing | 2,407 | 2,480 | 73 | 3.03% |
|  | Other | 33 | 29 | -4 | -12.12% |
| ***312000*** | *Beverage and Tobacco Product Manufacturing* | *1,462* | *1,544* | *82* | *5.61%* |
| ***313000*** | *Textile Mills* | *129* | *135* | *6* | *4.65%* |
| ***314000*** | *Textile Product Mills* | *863* | *744* | *-119* | *-13.79%* |
| **314100** | Textile Furnishings Mills | 23 | 23 | 0 | 0.00% |
| **314900** | Other Textile Product Mills | 840 | 721 | -119 | -14.17% |
| ***315000*** | *Apparel Manufacturing* | *753* | *747* | *-6* | *-0.80%* |
| **315100** | Apparel Knitting Mills | 439 | 305 | -134 | -30.52% |
|  | Other | 314 | 442 | 128 | 40.76% |
| ***316000*** | *Leather and Allied Product Manufacturing* | *1,094* | *963* | *-131* | *-11.97%* |
| **316200** | Footwear Manufacturing | 885 | 753 | -132 | -14.92% |
| **316900** | Other Leather and Allied Product Manufacturing | 209 | 210 | 1 | 0.48% |
| ***322000*** | *Paper Manufacturing* | *9,168* | *8,601* | *-567* | *-6.18%* |
| **322100** | Pulp, Paper, and Paperboard Mills | 3,498 | 3,217 | -281 | -8.03% |
| **322200** | Converted Paper Product Manufacturing | 5,670 | 5,384 | -286 | -5.04% |
| ***323000*** | *Printing and Related Support Activities* | *3,686* | *3,047* | *-639* | *-17.34%* |
| ***324000*** | *Petroleum and Coal Products Manufacturing* | *1,144* | *1,116* | *-28* | *-2.45%* |
| ***325000*** | *Chemical Manufacturing* | *5,635* | *5,823* | *188* | *3.34%* |
| ***326000*** | *Plastics and Rubber Products Manufacturing* | *10,574* | *10,569* | *-5* | *-0.05%* |
| **326100** | Plastics Product Manufacturing | 6,418 | 6,393 | -25 | -0.39% |
| **326200** | Rubber Product Manufacturing | 4,156 | 4,176 | 20 | 0.48% |
|  |  |  |  |  |  |
|  | **Durable Goods Manufacturing** | **76,243** | **73,712** | **-2,531** | **-3.32%** |
| ***321000*** | *Wood Product Manufacturing* | *9,569* | *9,188* | *-381* | *-3.98%* |
| **321100** | Sawmills and Wood Preservation | 4,483 | 4,512 | 29 | 0.65% |
| **321200** | Veneer, Plywood, and Engineered Wood Product Manufacturing | 1,993 | 1,780 | -213 | -10.69% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS**  **Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **321900** | Other Wood Product Manufacturing | 3,093 | 2,896 | -197 | -6.37% |
| ***327000*** | *Nonmetallic Mineral Product Manufacturing* | *3,620* | *3,581* | *-39* | *-1.08%* |
| ***331000*** | *Primary Metal Manufacturing* | *8,273* | *7,763* | *-510* | *-6.16%* |
| **331100** | Iron and Steel Mills and Ferroalloy Manufacturing | 3,575 | 3,720 | 145 | 4.06% |
| **331200** | Steel Product Manufacturing from Purchased Steel | 2,271 | 1,858 | -413 | -18.19% |
| **331300** | Alumina and Aluminum Production | 877 | 896 | 19 | 2.17% |
| **331400** | Nonferrous Metal (except Aluminum) Production and Processing | 272 | 267 | -5 | -1.84% |
| **331500** | Foundries | 1,278 | 1,022 | -256 | -20.03% |
| ***332000*** | *Fabricated Metal Product Manufacturing* | *14,833* | *15,337* | *504* | *3.40%* |
| ***333000*** | *Machinery Manufacturing* | *11,698* | *11,063* | *-635* | *-5.43%* |
| ***334000*** | *Computer and Electronic Product Manufacturing* | *1,825* | *1,615* | *-210* | *-11.51%* |
| **334400** | Semiconductor and Other Electronic Component Manufacturing | 1,311 | 1,168 | -143 | -10.91% |
| **334500** | Navigational, Measuring, Electromedical, and Control Instruments Manufacturing | 343 | 312 | -31 | -9.04% |
|  | Other | *171* | *135* | *-36* | *-21.05%* |
| ***335000*** | *Electrical Equipment, Appliance, and Component Manufacturing* | *4,275* | *3,904* | *-371* | *-8.68%* |
| **335100** | Electric Lighting Equipment Manufacturing | 307 | 273 | -34 | -11.07% |
| **335200** | Household Appliance Manufacturing | 26 | 55 | 29 | 111.54% |
| **335300** | Electrical Equipment Manufacturing | 2,671 | 2,334 | -337 | -12.62% |
| **335900** | Other Electrical Equipment and Component Manufacturing | 1,271 | 1,242 | -29 | -2.28% |
| ***336000*** | *Transportation Equipment Manufacturing* | *15,339* | *14,647* | *-692* | *-4.51%* |
| **336200** | Motor Vehicle Body and Trailer Manufacturing | 2,166 | 1,925 | -241 | -11.13% |
| **336300** | Motor Vehicle Parts Manufacturing | 5,130 | 4,793 | -337 | -6.57% |
| **336400** | Aerospace Product and Parts Manufacturing | 4,282 | 4,558 | 276 | 6.45% |
| **336600** | Ship and Boat Building | 2,387 | 1,998 | -389 | -16.30% |
|  | Other | 1,374 | 1,373 | -1 | -0.07% |
| ***337000*** | *Furniture and Related Product Manufacturing* | *3,429* | *3,196* | *-233* | *-6.79%* |
| ***339000*** | *Miscellaneous Manufacturing* | *3,382* | *3,418* | *36* | *1.06%* |
| **339100** | Medical Equipment and Supplies Manufacturing | 1,694 | 1,732 | 38 | 2.24% |
| **339900** | Other Miscellaneous Manufacturing | 1,688 | 1,686 | -2 | -0.12% |
|  |  |  |  |  |  |
| **102000** | Services Providing | 1,068,424 | 1,060,921 | -7,503 | -0.70% |
|  |  |  |  |  |  |
| **102100** | **TRADE, TRANSPORTATION, AND UTILITIES** | **250,517** | **249,015** | **-1,502** | **-0.60%** |
|  |  |  |  |  |  |
| **420000** | **Wholesale Trade** | **47,294** | **49,096** | **1,802** | **3.81%** |
| ***423000*** | *Merchant Wholesalers, Durable Goods* | *24,481* | *26,433* | *1,952* | *7.97%* |
| ***424000*** | *Merchant Wholesalers, Nondurable Goods* | *17,777* | *17,774* | *-3* | *-0.02%* |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS**  **Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| ***425000*** | *Wholesale Electronic Markets and Agents and Brokers* | *5,036* | *4,889* | *-147* | *-2.92%* |
|  |  |  |  |  |  |
| **440000** | **Retail Trade** | **135,330** | **133,168** | **-2,162** | **-1.60%** |
| ***441000*** | *Motor Vehicle and Parts Dealers* | *19,092* | *18,958* | *-134* | *-0.70%* |
| **441100** | Automobile Dealers | 11,703 | 11,515 | -188 | -1.61% |
| **441200** | Other Motor Vehicle Dealers | 1,649 | 1,650 | 1 | 0.06% |
| **441300** | Automotive Parts, Accessories, and Tire Stores | 5,740 | 5,793 | 53 | 0.92% |
| ***442000*** | *Furniture and Home Furnishings Stores* | *3,542* | *3,391* | *-151* | *-4.26%* |
| **442100** | Furniture Stores | 1,966 | 1,889 | -77 | -3.92% |
| **442200** | Home Furnishings Stores | 1,576 | 1,502 | -74 | -4.70% |
| ***443000*** | *Electronics and Appliance Stores* | *3,157* | *2,765* | *-392* | *-12.42%* |
| ***444000*** | *Building Material and Garden Equipment and Supplies Dealers* | *11,952* | *12,302* | *350* | *2.93%* |
| **444100** | Building Material and Supplies Dealers | 9,958 | 10,228 | 270 | 2.71% |
| **444200** | Lawn and Garden Equipment and Supplies Stores | 1,994 | 2,074 | 80 | 4.01% |
| ***445000*** | *Food and Beverage Stores* | *19,378* | *19,609* | *231* | *1.19%* |
| ***446000*** | *Health and Personal Care Stores* | *8,531* | *8,535* | *4* | *0.05%* |
| ***447000*** | *Gasoline Stations* | *12,312* | *12,321* | *9* | *0.07%* |
| ***448000*** | *Clothing and Clothing Accessories Stores* | *7,374* | *6,090* | *-1,284* | *-17.41%* |
| **448100** | Clothing Stores | 5,618 | 4,617 | -1,001 | -17.82% |
| **448200** | Shoe Stores | 1,068 | 888 | -180 | -16.85% |
| **448300** | Jewelry, Luggage, and Leather Goods Stores | 688 | 585 | -103 | -14.97% |
| ***451000*** | *Sporting Goods, Hobby, Book, and Music Stores* | *4,239* | *3,887* | *-352* | *-8.30%* |
| **451100** | Sporting Goods, Hobby, and Musical Instrument Stores | 3,740 | 3,527 | -213 | -5.70% |
| **451200** | Book, Periodical, and Music Stores | 499 | 360 | -139 | -27.86% |
| ***452000*** | *General Merchandise Stores* | *36,644* | *36,457* | *-187* | *-0.51%* |
| ***453000*** | *Miscellaneous Store Retailers* | *7,293* | *7,192* | *-101* | *-1.38%* |
| ***454000*** | *Nonstore Retailers* | *1,816* | *1,661* | *-155* | *-8.54%* |
| **454100** | Electronic Shopping and Mail Order Houses | 709 | 712 | 3 | 0.42% |
| **454200** | Vending Machine Operators | 404 | 262 | -142 | -35.15% |
| **454300** | Direct Selling Establishments | 703 | 687 | -16 | -2.28% |
|  |  |  |  |  |  |
| **480000** | **Transportation and Warehousing** | **60,013** | **58,813** | **-1,200** | **-2.00%** |
| ***481000*** | *Air Transportation* | *801* | *746* | *-55* | *-6.87%* |
| **481100** | Scheduled Air Transportation | 702 | 643 | -59 | -8.40% |
| **481200** | Nonscheduled Air Transportation | 99 | 103 | 4 | 4.04% |
| ***483000*** | *Water Transportation* | *35* | *32* | *-3* | *-8.57%* |
| ***484000*** | *Truck Transportation* | *32,671* | *32,198* | *-473* | *-1.45%* |

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| **NAICS**  **Code** | **NAICS**  **Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| ***485000*** | *Transit and Ground Passenger Transportation* | *2,145* | *1,796* | *-349* | *-16.27%* |
| **485300** | Taxi and Limousine Service | 296 | 225 | -71 | -23.99% |
| **485400** | School and Employee Bus Transportation | 435 | 319 | -116 | -26.67% |
| **485900** | Other Transit and Ground Passenger Transportation | 1,144 | 1,037 | -107 | -9.35% |
|  | Other | 270 | 215 | -55 | -20.37% |
| ***486000*** | *Pipeline Transportation* | *419* | *396* | *-23* | *-5.49%* |
| ***488000*** | *Support Activities for Transportation* | *5,735* | *5,857* | *122* | *2.13%* |
| **488100** | Support Activities for Air Transportation | 1,202 | 1,264 | 62 | 5.16% |
| **488200** | Support Activities for Rail Transportation | 839 | 702 | -137 | -16.33% |
| **488300** | Support Activities for Water Transportation | 447 | 437 | -10 | -2.24% |
| **488400** | Support Activities for Road Transportation | 898 | 902 | 4 | 0.45% |
| **488500** | Freight Transportation Arrangement | 2,253 | 2,453 | 200 | 8.88% |
| **488900** | Other Support Activities for Transportation | 96 | 99 | 3 | 3.13% |
| ***493000*** | *Warehousing and Storage* | *9,016* | *9,312* | *296* | *3.28%* |
|  | *Other* | *9,191* | *8,476* | *-715* | *-7.78%* |
|  |  |  |  |  |  |
| ***220000*** | ***Utilities*** | ***7,880*** | ***7,938*** | ***58*** | ***0.74%*** |
| **221100** | Electric Power Generation, Transmission and Distribution | 5,915 | 5,964 | 49 | 0.83% |
| **221200** | Natural Gas Distribution | 1,023 | 1,007 | -16 | -1.56% |
| **221300** | Water, Sewage and Other Systems | 942 | 967 | 25 | 2.65% |
|  |  |  |  |  |  |
| **102200** | **INFORMATION** | **11,078** | **9,826** | **-1,252** | **-11.30%** |
|  |  |  |  |  |  |
| ***511000*** | *Publishing Industries (except Internet)* | *2,661* | *2,235* | *-426* | *-16.01%* |
| **511100** | Newspaper, Periodical, Book, and Directory Publishers | 2,299 | 1,833 | -466 | -20.27% |
| **511200** | Software Publishers | 362 | 402 | 40 | 11.05% |
| ***512000*** | *Motion Picture and Sound Recording Industries* | *1,232* | *563* | *-669* | *-54.30%* |
| **512100** | Motion Picture and Video Industries | 1,212 | 542 | -670 | -55.28% |
| **512200** | Sound Recording Industries | 20 | 21 | 1 | 5.00% |
| ***515000*** | *Broadcasting (except Internet)* | *1,492* | *1,401* | *-91* | *-6.10%* |
| ***517000*** | *Telecommunications* | *3,444* | *3,301* | *-143* | *-4.15%* |
| ***518000*** | *Data Processing, Hosting and Related Services* | *1,899* | *1,972* | *73* | *3.84%* |
| ***519000*** | *Other Information Services* | *350* | *354* | *4* | *1.14%* |
|  |  |  |  |  |  |
| **102300** | **FINANCIAL ACTIVITIES** | **63,976** | **65,637** | **1,661** | **2.60%** |
|  |  |  |  |  |  |
| **520000** | **Finance and Insurance** | **50,274** | **51,759** | **1,485** | **2.95%** |

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| **NAICS**  **Code** | **NAICS**  **Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| ***522000*** | *Credit Intermediation and Related Activities* | *19,864* | *20,553* | *689* | *3.47%* |
| ***523000*** | *Securities, Commodity Contracts, and Other Financial Investments and Related Activities* | *3,132* | *3,169* | *37* | *1.18%* |
| ***524000*** | *Insurance Carriers and Related Activities* | *27,197* | *27,952* | *755* | *2.78%* |
| **524100** | Insurance Carriers | 18,590 | 19,112 | 522 | 2.81% |
| **524200** | Agencies, Brokerages, and Other Insurance Related Activities | 8,607 | 8,840 | 233 | 2.71% |
|  | *Other* | *81* | *85* | *4* | *4.94%* |
|  |  |  |  |  |  |
| **530000** | **Real Estate and Rental and Leasing** | **13,702** | **13,878** | **176** | **1.28%** |
| ***531000*** | *Real Estate* | *9,738* | *10,042* | *304* | *3.12%* |
| ***532000*** | *Rental and Leasing Services* | *3,907* | *3,782* | *-125* | *-3.20%* |
| ***533000*** | *Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)* | *57* | *54* | *-3* | *-5.26%* |
|  |  |  |  |  |  |
| **102400** | **PROFESSIONAL AND BUSINESS SERVICES** | **147,025** | **147,971** | **946** | **0.64%** |
|  |  |  |  |  |  |
| **540000** | **Professional, Scientific, and Technical Services** | **45,425** | **46,906** | **1,481** | **3.26%** |
| ***541000*** | *Professional, Scientific, and Technical Services* | *45,425* | *46,906* | *1,481* | *3.26%* |
| **541100** | Legal Services | 5,965 | 6,052 | 87 | 1.46% |
| **541200** | Accounting, Tax Preparation, Bookkeeping, and Payroll Services | 6,944 | 7,186 | 242 | 3.49% |
| **541300** | Architectural, Engineering, and Related Services | 6,421 | 6,595 | 174 | 2.71% |
| **541400** | Specialized Design Services | 381 | 389 | 8 | 2.10% |
| **541500** | Computer Systems Design and Related Services | 10,321 | 10,653 | 332 | 3.22% |
| **541600** | Management, Scientific, and Technical Consulting Services | 6,128 | 6,496 | 368 | 6.01% |
| **541700** | Scientific Research and Development Services | 887 | 963 | 76 | 8.57% |
| **541800** | Advertising, Public Relations, and Related Services | 3,887 | 4,063 | 176 | 4.53% |
| **541900** | Other Professional, Scientific, and Technical Services | 4,491 | 4,509 | 18 | 0.40% |
|  |  |  |  |  |  |
| **550000** | **Management of Companies and Enterprises** | **34,485** | **34,951** | **466** | **1.35%** |
|  |  |  |  |  |  |
| **560000** | **Administrative and Support and Waste Management and Remediation Services** | **67,115** | **66,114** | **-1,001** | **-1.49%** |
| ***561000*** | *Administrative and Support Services* | *63,403* | *62,197* | *-1,206* | *-1.90%* |
| **561100** | Office Administrative Services | 3,479 | 3,615 | 136 | 3.91% |
| **561200** | Facilities Support Services | 1,496 | 1,151 | -345 | -23.06% |
| **561300** | Employment Services | 27,548 | 25,022 | -2,526 | -9.17% |
| **561400** | Business Support Services | 9,344 | 10,060 | 716 | 7.66% |
| **561500** | Travel Arrangement and Reservation Services | 354 | 212 | -142 | -40.11% |
| **561600** | Investigation and Security Services | 5,138 | 5,249 | 111 | 2.16% |
| **561700** | Services to Buildings and Dwellings | 14,777 | 15,527 | 750 | 5.08% |

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| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS**  **Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **561900** | Other Support Services | 1,267 | 1,361 | 94 | 7.42% |
| ***562000*** | *Waste Management and Remediation Service* | *3,712* | *3,917* | *205* | *5.52%* |
| **562100** | Waste Collection | 1,293 | 1,366 | 73 | 5.65% |
| **562200** | Waste Treatment and Disposal | 1,083 | 1,134 | 51 | 4.71% |
| **562900** | Remediation and Other Waste Management Services | 1,336 | 1,417 | 81 | 6.06% |
|  |  |  |  |  |  |
| **102500** | **EDUCATION AND HEALTH SERVICES** | **309,291** | **310,907** | **1,616** | **0.52%** |
|  |  |  |  |  |  |
| **610000** | **Educational Services** | **116,343** | **116,914** | **571** | **0.49%** |
| **611100** | Elementary and Secondary Schools | 78,482 | 78,954 | 472 | 0.60% |
| **611200** | Junior Colleges | 7,059 | 7,110 | 51 | 0.72% |
| **611300** | Colleges, Universities, and Professional Schools | 27,137 | 27,201 | 64 | 0.24% |
| **611400** | Business Schools and Computer and Management Training | 141 | 149 | 8 | 5.67% |
| **611500** | Technical and Trade Schools | 1,004 | 1,025 | 21 | 2.09% |
| **611600** | Other Schools and Instruction | 1,907 | 1,832 | -75 | -3.93% |
| **611700** | Educational Support Services | 613 | 643 | 30 | 4.89% |
|  |  |  |  |  |  |
| **620000** | **Health Care and Social Assistance** | **192,948** | **193993** | **1,045** | **0.54%** |
| ***621000*** | *Ambulatory Health Care Services* | *60,096* | *61,639* | *1,543* | *2.57%* |
| **621100** | Offices of Physicians | 26,309 | 27,189 | 880 | 3.34% |
| **621200** | Offices of Dentists | 7,426 | 7,611 | 185 | 2.49% |
| **621300** | Offices of Other Health Practitioners | 9,939 | 9,923 | -16 | -0.16% |
| **621400** | Outpatient Care Centers | 5,324 | 5,528 | 204 | 3.83% |
| **621500** | Medical and Diagnostic Laboratories | 1,312 | 1,345 | 33 | 2.52% |
| **621600** | Home Health Care Services | 6,955 | 7,077 | 122 | 1.75% |
| **621900** | Other Ambulatory Health Care Services | 2,831 | 2,966 | 135 | 4.77% |
| ***622000*** | *Hospitals* | *60,514* | *60,764* | *250* | *0.41%* |
| **622100** | General Medical and Surgical Hospitals | 53,071 | 53,035 | -36 | -0.07% |
| **622200** | Psychiatric and Substance Abuse Hospitals | 3,455 | 3,672 | 217 | 6.28% |
| **622300** | Specialty (except Psychiatric and Substance Abuse) Hospitals | 3,988 | 4,057 | 69 | 1.73% |
| ***623000*** | *Nursing and Residential Care Facilities* | *32,308* | *32,132* | *-176* | *-0.54%* |
| **623100** | Nursing Care Facilities (Skilled Nursing Facilities) | 22,551 | 22,155 | -396 | -1.76% |
| **623200** | Residential Intellectual & Developmental Disability, Mental Health, & Substance Abuse Facilities | 4,287 | 4,239 | -48 | -1.12% |
| **623300** | Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly | 4,467 | 4,702 | 235 | 5.26% |
| **623900** | Other Residential Care Facilities | 1,003 | 1,036 | 33 | 3.29% |
| ***624000*** | *Social Assistance* | *40,030* | *39,458* | *-572* | *-1.43%* |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS**  **Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **624100** | Individual and Family Services | 24,585 | 24,423 | -162 | -0.66% |
| **624200** | Community Food and Housing, and Emergency and Other Relief Services | 1,441 | 1,508 | 67 | 4.65% |
| **624300** | Vocational Rehabilitation Services | 3,310 | 3,115 | -195 | -5.89% |
| **624400** | Child Day Care Services | 10,694 | 10,412 | -282 | -2.64% |
|  |  |  |  |  |  |
| **102600** | **LEISURE AND HOSPITALITY** | **119,392** | **108,400** | **-10,992** | **-9.21%** |
|  |  |  |  |  |  |
| **710000** | **Arts, Entertainment, and Recreation** | **11,577** | **11,050** | **-527** | **-4.55%** |
| ***711000*** | *Performing Arts, Spectator Sports, and Related Industries* | *3,405* | *2,437* | *-968* | *-28.43%* |
| **711100** | Performing Arts Companies | 414 | 385 | -29 | -7.00% |
| **711200** | Spectator Sports | 2,159 | 1,600 | -559 | -25.89% |
| **711300** | Promoters of Performing Arts, Sports, and Similar Events | 696 | 329 | -367 | -52.73% |
| **711400** | Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures | 56 | 37 | -19 | -33.93% |
| **711500** | Independent Artists, Writers, and Performers | 80 | 86 | 6 | 7.50% |
| ***712000*** | *Museums, Historical Sites, and Similar Institution* | *751* | *818* | *67* | *8.92%* |
| ***713000*** | *Amusement, Gambling, and Recreation Industries* | *7,421* | *7,795* | *374* | *5.04%* |
|  |  |  |  |  |  |
| **720000** | **Accommodation and Food Services** | **107,815** | **97,350** | **-10,465** | **-9.71%** |
| ***721000*** | *Accommodation, including Hotels and Motels* | *11,419* | *10,069* | *-1,350* | *-11.82%* |
| **721100** | Traveler Accommodation | 10,851 | 9,509 | -1,342 | -12.37% |
| **721200** | RV (Recreational Vehicle) Parks and Recreational Camps | 438 | 442 | 4 | 0.91% |
| **721300** | Rooming and Boarding Houses | 130 | 118 | -12 | -9.23% |
| ***722000*** | *Food Services and Drinking Places* | *96,396* | *87,281* | *-9,115* | *-9.46%* |
| **722300** | Special Food Services | 5,026 | 3,935 | -1,091 | -21.71% |
| **722400** | Drinking Places (Alcoholic Beverages) | 964 | 723 | -241 | -25.00% |
| **722500** | Restaurants and Other Eating Places | 90,406 | 82,623 | -7,783 | -8.61% |
|  |  |  |  |  |  |
| **102700** | **OTHER SERVICES (EXCEPT GOVERNMENT)** | **73,132** | **74,349** | **1,217** | **1.66%** |
|  |  |  |  |  |  |
| ***811000*** | *Repair and Maintenance* | *11,099* | *11,437* | *338* | *3.05%* |
| **811100** | Automotive Repair and Maintenance | 6,984 | 7,236 | 252 | 3.61% |
| **811200** | Electronic and Precision Equipment Repair and Maintenance | 986 | 1,025 | 39 | 3.96% |
| **811300** | Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance |  | 2,612 | 91 | 3.61% |
| **811400** | Personal and Household Goods Repair and Maintenance | 608 | 564 | -44 | -7.24% |
| ***812000*** | *Personal and Laundry Services* | *7,642* | *7,119* | *-523* | *-6.84%* |
| **812100** | Personal Care Services | 2,863 | 2,836 | -27 | -0.94% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAICS**  **Code** | **NAICS**  **Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** |
| **812200** | Death Care Services | 1,511 | 1,473 | -38 | -2.51% |
| **812300** | Drycleaning and Laundry Services | 2,133 | 1,753 | -380 | -17.82% |
| **812900** | Other Personal Services | 1,135 | 1,057 | -78 | -6.87% |
| ***813000*** | *Religious, Grantmaking, Civic, Professional, and Similar Organizations* | *47,254* | *48,974* | *1,720* | *3.64%* |
| **813100** | Religious Organizations | 34,162 | 34,943 | 781 | 2.29% |
| **813200** | Grantmaking and Giving Services | 3,490 | 4,015 | 525 | 15.04% |
| **813300** | Social Advocacy Organizations | 5,522 | 6,056 | 534 | 9.67% |
| **813400** | Civic and Social Organizations | 1,134 | 931 | -203 | -17.90% |
| **813900** | Business, Professional, Labor, Political, and Similar Organizations | 2,946 | 3,029 | 83 | 2.82% |
| ***814000*** | *Private Households* | *7,137* | *6,819* | *-318* | *-4.46%* |
|  |  |  |  |  |  |
| **102800** | **GOVERNMENT** | **94,013** | **94,816** | **803** | **0.85%** |
|  |  |  |  |  |  |
| ***910000*** | *Total Federal Government Employment* | *20,839* | *21,033* | *194* | *0.93%* |
| **491100** | Postal Service | 5,512 | 5,381 | -131 | -2.38% |
| **999100** | Federal Government, Excluding Post Office | 15,327 | 15,652 | 325 | 2.12% |
| **999200** | State Government, Excluding Education and Hospitals | 31,416 | 30,870 | -546 | -1.74% |
| **999300** | Local Government, Excluding Education and Hospitals | 41,758 | 42,913 | 1,155 | 2.77% |

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## EXPLANATION OF OCCUPATIONAL PROJECTIONS DATA ARKANSAS-STATEWIDE

2020-2022

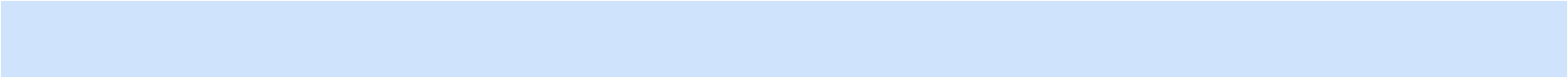
|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/ Training Codes** |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **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 2020 | The projected number of jobs expected to be in an occupation in 2022 | Total number of jobs an occupation is expected to gain or lose over the 2020  to 2022 period | Percent change in the number of jobs in an occupation over the 2020 to  2022  period | Average number of annual job openings expected to be created during the projection period due to those leaving the workforce for four  months or more | Average number of annual job openings  expected to be created during the projection period due to those transferring to an occupation in a different SOC Major Group | Average number of annual job openings expected to be created during the projection  period due to the gain or decline of jobs in an occupation | Average number of annual job openings expected to be created during the projection period due to employment growth and separations | Level of training needed by most workers to become fully qualified in the occupation according to the Bureau of Labor Statistics. See page 89 for definitions. |

#### 2020-2022 Arkansas Statewide Occupational Projections by Major Group

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| **00-0000** | **Total, All Occupations** | **1,431,344** | **1,420,248** | **-11,096** | **-0.78%** | **61,704** | **82,730** | **-5,548** | **138,886** |
| 11-0000 | Management Occupations | 133,807 | 133,304 | -503 | -0.38% | 5,298 | 5,368 | -252 | 10,414 |
| 13-0000 | Business and Financial Operations Occupations | 62,348 | 63,549 | 1,201 | 1.93% | 1,752 | 3,458 | 600 | 5,810 |
| 15-0000 | Computer and Mathematical Occupations | 24,144 | 24,608 | 464 | 1.92% | 408 | 1,128 | 232 | 1,768 |
| 17-0000 | Architecture and Engineering Occupations | 13,104 | 13,173 | 69 | 0.53% | 324 | 580 | 34 | 938 |
| 19-0000 | Life, Physical, and Social Science Occupations | 7,871 | 7,976 | 105 | 1.33% | 158 | 488 | 52 | 698 |
| 21-0000 | Community and Social Service Occupations | 33,816 | 34,502 | 686 | 2.03% | 1,355 | 1,942 | 343 | 3,640 |
| 23-0000 | Legal Occupations | 7,300 | 7,417 | 117 | 1.60% | 192 | 266 | 58 | 516 |
| 25-0000 | Education, Training, and Library Occupations | 83,773 | 83,923 | 150 | 0.18% | 3,256 | 3,272 | 75 | 6,603 |
| 27-0000 | Arts, Design, Entertainment, Sports, and Media Occupations | 18,237 | 17,964 | -273 | -1.50% | 730 | 1,029 | -136 | 1,623 |
| 29-0000 | Healthcare Practitioners and Technical Occupations | 85,006 | 86,019 | 1,013 | 1.19% | 2,212 | 2,284 | 506 | 5,002 |
| 31-0000 | Healthcare Support Occupations | 55,580 | 55,714 | 134 | 0.24% | 3,030 | 2,926 | 67 | 6,023 |
| 33-0000 | Protective Service Occupations | 28,324 | 28,610 | 286 | 1.01% | 1,132 | 1,460 | 143 | 2,735 |
| 35-0000 | Food Preparation and Serving Related Occupations | 110,587 | 101,991 | -8,596 | -7.77% | 7,743 | 9,462 | -4,298 | 12,907 |
| 37-0000 | Building and Grounds Cleaning and Maintenance Occupations | 48,431 | 48,461 | 30 | 0.06% | 2,742 | 3,041 | 15 | 5,798 |
| 39-0000 | Personal Care and Service Occupations | 31,283 | 30,610 | -673 | -2.15% | 2,130 | 2,177 | -336 | 3,971 |
| 41-0000 | Sales and Related Occupations | 135,958 | 134,339 | -1,619 | -1.19% | 6,930 | 9,498 | -810 | 15,618 |
| 43-0000 | Office and Administrative Support Occupations | 165,319 | 164,602 | -717 | -0.43% | 7,838 | 9,314 | -358 | 16,794 |
| 45-0000 | Farming, Fishing, and Forestry Occupations | 17,761 | 17,494 | -267 | -1.50% | 703 | 1,804 | -134 | 2,373 |
| 47-0000 | Construction and Extraction Occupations | 52,359 | 53,179 | 820 | 1.57% | 1,590 | 3,430 | 410 | 5,430 |
| 49-0000 | Installation, Maintenance, and Repair Occupations | 61,080 | 62,000 | 920 | 1.51% | 1,895 | 3,406 | 460 | 5,761 |
| 51-0000 | Production Occupations | 117,224 | 113,899 | -3,325 | -2.84% | 4,280 | 7,435 | -1,662 | 10,053 |
| 53-0000 | Transportation and Material Moving Occupations | 138,032 | 136,914 | -1,118 | -0.81% | 6,005 | 8,961 | -559 | 14,407 |

**Occupational Outlook**

The Arkansas labor market is expected to see a decline of 11,096 jobs over the 2020-2022 projection period, a decrease of 0.78 percent. Despite the decline, job opportunities for recent graduates and other job seekers are still projected to be available. There is expected to be 138,886 total annual job openings during the projection period, with 61,704 openings available due to employees exiting the workforce. Another 82,730 are estimated to be available due to employees changing jobs, while 5,548 would be lost due to the decline in the economy. Thirteen major occupational groups are estimating gains, while nine are expecting job losses.



**Annual Job Openings by Occupational Category-Chart 1\***

**-300**

**1,700**

**3,700**

**5,700**

**7,700**

**9,700**

**11,700**

**Management**

**Business and Financial Operations**

**10,414**

**5,810**

**Computer and Mathematical Architecture and Engineering Life, Physical, and Social Science Community and Social Service**

**Legal Education, Training, and Library**

**Arts, Design, Entertainment, Sports, and Media Healthcare Practitioners and Technical**

**Healthcare Support**

**1,768**

**938**

**698**

**3,640**

**516**

**6,603**

**1,623**

**5,002**

**6,023**

**Exits Transfers Growth**

**Total**

**\*Numbers in black represent Total Annual Openings**

The **Management Occupations** major group is projected to lose 503 jobs, or 0.38 percent of its workforce. During the projection period, 10,414 annual job openings are estimated to be available, with 5,298 due to employees leaving the workforce and 5,368 for those changing jobs. The occupational group is forecast to lose 252 annually due to the loss of jobs. Driving the decline is Farmers, Ranchers, and Other Agricultural Managers, expected to lose 1,356 jobs, third highest in the state. Lodging Managers could be the fastest declining occupation in the major group, cutting 9.66 percent from its workforce. On the positive side, Medical and Health Services Managers, could see a gain of 292 jobs. In all, three occupations in the major group are among the ten highest growing in the state.

The **Business and Financial Operations Occupations** major group is estimated to gain 1,201 jobs during the projection period. Of the 5,810 annual job openings, 1,752 could come from employees exiting the workforce, while 3,458 would come from changing jobs. Another 600 job openings would be related to growth and expansion. *Business Operations Specialists* is slated to add 747 jobs. Within this group, Fundraisers is

forecasted to be the fastest growing occupation in the state, increasing its workforce by 11.62 percent. Accountants and Auditors is predicted to add 209 new jobs by March 2022.

The **Computer and Mathematical Occupations** major group is expected to gain 464 jobs. With 1,768 annual job openings, 408 is set to come from employees leaving the workforce, 1,128 from those changing jobs, and 232 from growth and expansion. Much of the gain is projected to occur in the *Computer Occupations* occupational family, adding 429 jobs. Driving this growth is Software Developers and Software Quality Assurance Analysts and Testers, with 240 new jobs, placing among the ten highest growing occupations in the state. Information Security Analysts is projected to be fifth in percent growth, increasing its workforce by 6.37 percent. *Mathematical Science Occupations* is estimated to add an additional 35 jobs to its workforce.

The **Architecture and Engineering Occupations** major group is predicted to add 69 new jobs between first quarter 2020 and first quarter 2022.

The major group is estimated to have 938 annual job openings, of which 324 would be from those exiting the workforce and 580 from those transferring to other occupational groups. Another 34 jobs are related to growth and expansion. *Engineers* is projected to add 59 jobs to its workforce. Driving this growth is Civil Engineers, which is estimated to add 21 jobs during the projection period. On the negative side of the job market, Electrical and Electronics Engineering Technicians could see a reduction of 24 jobs, or 4.55 percent of its workforce.

The **Life, Physical, and Social Science Occupations** could see an increase of 105 jobs during the projection period. Of 698 total annual openings, 158 is slated to come from employees leaving the workforce, while 488 would be associated with employees changing jobs. Another 52 jobs are due to growth and expansion. The *Life Scientists* occupational family is predicted to see a gain of 45 jobs, while *Life, Physical, and Social Science Technicians* is projected to add 43 new jobs to its workforce. The biggest gain in this major group is Chemical Technicians, estimated to add 19 jobs, or 2.85 percent to its workforce.

The **Community and Social Service Occupations** major group is projected to increase by 686 employees during the projection period. The occupational group is estimated to have 3,640 annual job openings, with 1,355 coming from employees leaving the workforce, 1,942 coming from employees changing jobs, and 343 related to growth and expansion. *Religious Workers* drives the growth in the major group, adding an estimated 443 new jobs. Clergy is projected to be the top growing occupation in the state with 312 new jobs. While this occupation was affected by the restriction of in-person worship services during the early months of the pandemic, it also presents the ability to work from home, ministering to people virtually or by phone. Social and Human Service Assistants could also see strong growth, increasing by 108 new jobs.

The **Legal Occupations** major group is forecasted to increase staffing by 117 jobs between first quarter 2020 and first quarter 2022. Of the 516 total annual openings, 192 could come from staff leaving the workforce, while 266 would be related to job transfers. Growth and expansion would account for 58 annual job openings. *Legal Support Workers* is slated to add 68 jobs to its workforce. Paralegals leads all occupations in the major group with an anticipated increase of 64 jobs, a 3.06 percent rise. Lawyers is also estimating a nice gain, with 53 new jobs on the horizon.

The **Education, Training, and Library Occupations** major group could experience a mixed outlook, gaining just 150 new jobs between 2020 and 2022. With 6,603 job openings annually, 3,256 would come from those leaving the workforce, 3,272 from job change, and 75 from growth and expansion. Despite a year of intermittent periods of teaching virtually, *Preschool, Primary, Secondary, and Special Education School Teachers* could see a gain of 301 jobs. Elementary School Teachers, Except Special Education and Secondary School Teachers, Except Special and

Career/Technical Education, are estimated to see gains of 116 and 111 new jobs, respectively. *Postsecondary Teachers* could also see good growth, increasing by 151. One downside of the pandemic is in Substitute Teachers, Short-Term, which is slated to experience a loss of 291 jobs during the projection period, placing in the Top 20 Declining Occupations list.

The **Arts, Design, Entertainment, Sports, and Media Occupations** major group is forecasted to lose 273 jobs during the projection period. Of the 1,623 annual job openings, 730 would come from employees leaving the workforce and 1,029 is connected to those who change jobs. The decline in the job market could reduce staffing by 136 annually. *Entertainers and Performers, Sports and Related Workers* is estimated to lose 101 jobs. Driving the decline is Athletes and Sports Competitors, which is predicted to lose 56 jobs, or 21.05 percent of its workforce, becoming the third fastest declining occupation in the state. Every subsector in the major group is slated to experience loss of jobs. Public Relations Specialists is one of the bright spots in the major group, anticipated to add 43 jobs to its workforce.

The **Healthcare Practitioners and Technical Occupations** major group is projected to see a net gain of 1,013 jobs, During the projection period, 5,002 annual job openings are anticipated, with 2,212 coming from employees leaving the workforce, 2,284 coming from job transfers, and 506 from growth and expansion. The *Health Diagnosing and Treating Practitioners* occupational family is estimated to add 716 new jobs. Driving this growth is Nurse Practitioners, slated to have the strongest outlook, gaining 266 new jobs, a 9.80 percent increase, placing the occupation fifth in numeric change as well as the second fastest growing occupation in the state. Registered Nurses is also set to experience strong growth, adding 169 new jobs. Physician Assistants is projected to increase by 5.61 percent, placing among the ten fastest growing occupations in the state.

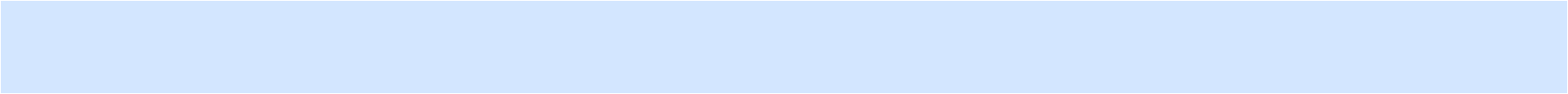
The **Healthcare Support Occupations** major group could see a mixed outlook during the projection period but is predicted to add 134 jobs to the labor market. With 6,023 annual job openings, 3,030 are estimated to come from employees who leave the workforce, while 2,926 from employees changing jobs. Around 67 job openings are related to growth and expansion. Nursing Assistants could experience a tough outlook, with a net loss of 139 jobs. Nursing home facilities are seeing a loss of nursing assistant positions and turning many of these positions into home health and personal care positions. Home Health and Personal Care Aides is expected to add 21 jobs, many of which may have CNA certifications. Medical Assistants and Dental Assistants are forecasted to see gains of 113 and 66 jobs, respectively.

The **Protective Service Occupations** major group is expected to add 286 new jobs to its workforce. The occupational group is estimated to have 2,735 annual job openings during the projection period. Of these, 1,132 would come from employees leaving the workforce, 1,460 from employees changing jobs, and 143 from growth and expansion. *Law Enforcement Workers* is forecasted to experience a net gain of 97 jobs, while *Supervisors of Protective Service Workers* is slated to gain 96. Police and Sheriff's Patrol Officers could make the Top 20 Growing Occupations list, adding 171 jobs to its ranks, but Correctional Officers and Jailers could see a reduction of 82.

**Food Preparation and Serving Related Occupations** is projected to experience the toughest outlook among occupational major groups, losing an estimated 8,596 jobs between first quarter 2020 and first quarter 2022. The occupational group will still have opportunities with 12,907 annual job openings, of which 7,743 are estimated to be available due to employees leaving the workforce, while 9,462 would come from employees changing jobs. Opportunities could, however, be reduced with the loss of 4,298 annually. However, much of the loss may have already occurred, during the early months of the pandemic. While drive thru and pick up sales are through the roof, in-door dining is still waning and will likely struggle to get back to normal. Six occupations made the Top 20 Declining Occupations list, including the top two. Fast Food and Counter Workers leads with a decline of 3,143. All four occupational families could see major losses during the projection period, averaging 7.90 percent.

The **Building and Grounds Cleaning and Maintenance Occupations** is estimated to experience a net gain of 30 jobs during the projection period. With 5,798 annual job openings, 2,742 would be associated with employees leaving the workforce, while 3,041 would be connected to those changing jobs. Growth and expansion would account for only 15 annual job openings. The *Building Cleaning and Pest Control Workers* occupational family is forecasted to decline by 293. Driving this loss is Maids and Housekeeping Cleaners, which is projected to lose 629 jobs between 2020 and 2022, placing among the ten highest declining occupations. Janitors and Cleaners, Except Maids and Housekeeping Cleaners could offset this loss some, gaining 224 jobs, placing among the ten highest growing occupations. Pest Control Workers is anticipated to raise employment by 5.43 percent, placing it among the ten fastest growing occupations in the state. The *Grounds Maintenance Workers* occupational family is predicted to add 244 jobs to its own workforce, helping to offset the loss in *Building Cleaning and Pest Control Workers.*

The **Personal Care and Service Occupations** major group is one of the hardest affected by the pandemic, estimated to experience a reduction of 673 jobs during the projection period. Despite the loss, 3,971 jobs are estimated to be available annually. Of these, 2,130 are forecasted to come from employees leaving the workforce, while 2,177 would be connected to employees changing jobs. The decline in jobs will account for 336 annual job losses. *Entertainment Attendants and Related Workers* is slated to see a significant loss, as entertainment venues were not having in-person programs during the pandemic. The occupational family could see a loss of 386 jobs, or 12.27 percent of its workforce. Driving the decline is Ushers, Lobby Attendants, and Ticket Takers, expected to lose 440 jobs, or 41.59 percent of its workforce, becoming the fastest declining occupation for the 2020-2022 projection period. Childcare Workers is also forecast to see a reduction of jobs between first quarter 2020 and first quarter 2022, losing an estimated 164 jobs. Many day care facilities shut down in the second quarter forcing single parents to file unemployment.



**Annual Job Openings by Occupational Category-Chart 2\***

**-5,000 -1,000 3,000 7,000 11,000 15,000**

**19,000**

**Protective Service Food Preparation and Serving Related**

**Building and Grounds Cleaning and Maintenance**

**Personal Care and Service**

**Sales and Related Office and Administrative Support Farming, Fishing, and Forestry Construction and Extraction Installation, Maintenance and Repair**

**Production**

**Transportation and Material Moving**

**2,735**

**12,907**

**5,798**

**3,971**

**15,618**

**16,794**

**2,373**

**5,430**

**5,761**

**10,053**

**14,407**

**Exits Transfers Growth Total**

**\*Numbers in black represent Total Annual Openings**

The **Sales and Related Occupations** major group could see a mixed outlook, losing a projected 1,619 jobs between first quarter 2020 and first quarter 2022. Despite this, 15,618 jobs openings are expected annually. Of these, 6,930 could come from employees leaving the workforce, while

9,498 would come from those changing jobs. Job openings could decline by an average 810 annually due to the loss of jobs. Driving the decline is the *Retail Sales Workers* occupational family, with an anticipated loss of 1,721 jobs. Retail Salespersons is estimated to lose 1,293 jobs during the projection period, while Cashiers could see a reduction of 549 of its ranks, both placing among the ten highest declining occupations in the state.

Travel Agents could lose nearly a third of its workforce, with a loss of 79 jobs as international and domestic travel was curtailed during the pandemic and placing as the second fastest declining occupation in the state. However, there are a few bright spots in the **Sales and Related Occupations** major group. Insurance Sales Agents could see a strong growth, projected to increase by 305, while Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products is slated to gain 218 jobs, both placing among the ten highest growing occupations.

The **Office and Administrative Support Occupations** is predicted to lose 717 jobs during the projection period. The occupational group is still estimated to have 16,794 annual job openings. Of these, 7,838 are connected to employees leaving the workforce, while 9,314 are associated with those changing jobs. With the decline in jobs, 358 annual job openings would be lost as a result. The *Secretaries and Administrative Assistants* occupational family is slated to cut 343 jobs from the workforce, while *Other Office and Administrative Support Workers* family could experience a net loss of 279. Office Clerks, General is predicted to lose 344 jobs between first quarter 2020 and first quarter 2022. Hotel, Motel, and Resort Desk Clerks could also see a tough outlook, with 318 jobs being cut, or 12.67 percent of its workforce. One positive outlook for this major group is in Customer Service Representatives, which is projected to add 142 new jobs to its workforce.

The **Farming, Fishing, and Forestry Occupations** major group is forecasted to lose 267 jobs, or 1.50 percent of its workforce during the projection period. Overall, 2.373 annual job openings are expected, with 703 connected to employees leaving the workforce and 1,804 from employees changing jobs. The job loss could account for 134 less job openings. *Forest, Conservation, and Logging Workers* is set to lose 141 jobs, while *Agricultural Workers* could lose 112. Farmworkers, Farm, Ranch, and Aquacultural Animals is set to lose 68 jobs, while Logging Equipment Operators is predicted to cut 63 from its workforce.

The **Construction and Extraction Occupations** major group is projected to add 820 jobs to its workforce. With 5,430 annual job openings, 1,590 would be from employees leaving the workforce, while 3,430 would be associated with employees changing jobs. Another 410 annual job openings would be from growth and expansion. Much of the growth in the major group is likely to occur in the *Construction Trades Workers* occupational family, increasing employment by 734 jobs. Electricians are slated to add 282 jobs to its ranks, placing fifth in numeric growth, while Plumbers, Pipefitters, and Steamfitters could add an additional 153 jobs to its own workforce. Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters is projected to be the fourth fastest growing occupation, increasing by 6.53 percent. In all, four occupations in this major group made the Top 20 Fastest Growing Occupations list. On the negative side of the job market, Service Unit Operators, Oil, Gas, and Mining is predicted to lose 94 jobs, or 12.84 percent of its workforce. Derrick Operators, Oil and Gas and Roustabouts, Oil and Gas could also lose 18.52 and 16.26 percent of each of its respective workforces.

The **Installation, Maintenance, and Repair Occupations** major group is estimated to increase staffing by 920 new jobs. During the projection period, 5,761 annual job openings are expected to be available. Of these, 1,895 would be connected to employees leaving the workforce, 3,406 from those changing jobs, and 460 due to growth and expansion. The *Other Installation, Maintenance, and Repair Occupations* occupational family drives the growth in the major group, with an anticipated gain of 640 jobs. Industrial Machinery Mechanics leads all occupations with 193 new jobs, while Heating, Air Conditioning, and Refrigeration Mechanics and Installers is forecasted to raise its workforce by 151 jobs. Farm Equipment Mechanics and Service Technicians is estimated to be the third fastest growing occupation, increasing its employment by 7.14 percent. Coin,

Vending, and Amusement Machine Servicers and Repairers is projected to make the Top 20 Fastest Declining Occupations list, with a decline of

11.67 percent.

The **Production Occupations** major group is projected to lose 3,325 jobs between first quarter 2020 and first quarter 2022. Despite the decline, 10,053 job openings are anticipated annually. Of these, 4,280 could come from employees leaving the workforce, while 7,435 would be connected to employees changing jobs. The job decline will account for 1,662 less job openings annually. The *Assemblers and Fabricators* occupational family is forecasted to lose 1,054 jobs during the projection period. Taking the brunt of those jobs is Miscellaneous Assemblers and Fabricators, which is slated to cut 899 jobs, or 6.85 percent of its workforce. *Other Production Occupations* is slated to cut 916 jobs. Inspectors, Testers, Sorters, Samplers, and Weighers is estimated to lose 351 jobs during the projection period. Eight occupations made the Top 20 Fastest Declining Occupations list with Pressers, Textile, Garment, and Related Materials leading the major group with a 20.29 percent decline, fifth fastest declining occupation in the state. All but one occupational family in **Production Occupations** is estimated to see job loss. The *Food Processing Workers* occupational family could see the only bright spot in **Production Occupations** with a gain of 130. Meat, Poultry, and Fish Cutters and Trimmers is one positive growing occupation, anticipated to gain 84 new jobs.

The **Transportation and Material Moving Occupations** major group is set to experience a decline of 1,118 jobs between 2020 and 2022. With 14,407 annual job openings, 6,005 is associated with people leaving the workforce, 8,961 connected to job change, and 559 slated to be reduced annually due to the job decline. The *Motor Vehicle Operators* family is estimated to lose 1,244 jobs, or 1.97 percent of its workforce. Light Truck or Delivery Services Drivers could lose 642 jobs during the projection period, cutting 6.74 percent of its workforce. One positive highlight is in the *Material Moving Workers* occupational family, expected to gain 131 jobs by March 2022. Stockers and Order Fillers is estimated to be the top growing occupation in the major group, adding 126 jobs to the job market.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| 21-2011 | Clergy | 11,962 | 12,274 | **312** | 2.61% | 516 | 623 | 156 | 1,295 |
| 41-3021 | Insurance Sales Agents | 10,477 | 10,782 | **305** | 2.91% | 354 | 536 | 152 | 1,042 |
| 11-9111 | Medical and Health Services Managers | 6,050 | 6,342 | **292** | 4.83% | 155 | 272 | 146 | 573 |
| 47-2111 | Electricians | 6,160 | 6,442 | **282** | 4.58% | 178 | 443 | 141 | 762 |
| 29-1171 | Nurse Practitioners | 2,714 | 2,980 | **266** | 9.80% | 59 | 82 | 133 | 274 |
| 11-3031 | Financial Managers | 5,515 | 5,771 | **256** | 4.64% | 115 | 252 | 128 | 495 |
| 11-1021 | General and Operations Managers | 21,963 | 22,214 | **251** | 1.14% | 448 | 1,192 | 126 | 1,766 |
| 15-1256 | Software Developers and Software Quality Assurance Analysts and Testers | 5,775 | 6,015 | **240** | 4.16% | 84 | 278 | 120 | 482 |
| 37-2011 | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 20,026 | 20,250 | **224** | 1.12% | 1,230 | 1,219 | 112 | 2,561 |
| 41-4012 | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 12,633 | 12,851 | **218** | 1.73% | 374 | 768 | 109 | 1,251 |
| 37-3011 | Landscaping and Groundskeeping Workers | 8,247 | 8,461 | **214** | 2.59% | 354 | 629 | 107 | 1,090 |
| 13-2011 | Accountants and Auditors | 8,918 | 9,127 | **209** | 2.34% | 254 | 481 | 104 | 839 |
| 13-1111 | Management Analysts | 6,973 | 7,166 | **193** | 2.77% | 228 | 367 | 96 | 691 |
| 49-9041 | Industrial Machinery Mechanics | 6,967 | 7,160 | **193** | 2.77% | 218 | 345 | 96 | 659 |
| 13-1198 | Project Management Specialists and Business Operations Specialists, All Other | 8,964 | 9,140 | **176** | 1.96% | 266 | 510 | 88 | 864 |
| 33-3051 | Police and Sheriff's Patrol Officers | 6,297 | 6,468 | **171** | 2.72% | 153 | 272 | 86 | 511 |
| 29-1141 | Registered Nurses | 26,495 | 26,664 | **169** | 0.64% | 720 | 553 | 84 | 1,357 |
| 13-1161 | Market Research Analysts and Marketing Specialists | 4,852 | 5,013 | **161** | 3.32% | 118 | 320 | 80 | 518 |
| 47-2152 | Plumbers, Pipefitters, and Steamfitters | 3,294 | 3,447 | **153** | 4.64% | 96 | 225 | 76 | 397 |
| 49-9021 | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 3,094 | 3,245 | **151** | 4.88% | 84 | 186 | 76 | 346 |

Top 20 Fastest Growing Occupations by Percent Change (Minimum Employment of 50)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| 13-1131 | Fundraisers | 1,093 | 1,220 | 127 | **11.62%** | 35 | 69 | 64 | 168 |
| 29-1171 | Nurse Practitioners | 2,714 | 2,980 | 266 | **9.80%** | 59 | 82 | 133 | 274 |
| 49-3041 | Farm Equipment Mechanics and Service Technicians | 826 | 885 | 59 | **7.14%** | 26 | 49 | 30 | 105 |
| 47-3015 | Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters | 490 | 522 | 32 | **6.53%** | 16 | 42 | 16 | 74 |
| 15-1212 | Information Security Analysts | 816 | 868 | 52 | **6.37%** | 12 | 42 | 26 | 80 |
| 49-2021 | Radio, Cellular, and Tower Equipment Installers and Repairers | 53 | 56 | 3 | **5.66%** | 2 | 4 | 2 | 8 |
| 29-1071 | Physician Assistants | 535 | 565 | 30 | **5.61%** | 8 | 20 | 15 | 43 |
| 37-2021 | Pest Control Workers | 1,160 | 1,223 | 63 | **5.43%** | 36 | 112 | 32 | 180 |
| 47-2132 | Insulation Workers, Mechanical | 166 | 175 | 9 | **5.42%** | 4 | 12 | 4 | 20 |
| 47-4041 | Hazardous Materials Removal Workers | 150 | 158 | 8 | **5.33%** | 6 | 11 | 4 | 21 |
| 19-1042 | Medical Scientists, Except Epidemiologists | 152 | 160 | 8 | **5.26%** | 2 | 10 | 4 | 16 |
| 47-2151 | Pipelayers | 365 | 384 | 19 | **5.21%** | 10 | 25 | 10 | 45 |
| 49-9011 | Mechanical Door Repairers | 542 | 570 | 28 | **5.17%** | 14 | 28 | 14 | 56 |
| 25-4012 | Curators | 97 | 102 | 5 | **5.15%** | 5 | 5 | 2 | 12 |
| 19-1013 | Soil and Plant Scientists | 98 | 103 | 5 | **5.10%** | 2 | 8 | 2 | 12 |
| 43-5011 | Cargo and Freight Agents | 808 | 849 | 41 | **5.07%** | 33 | 38 | 20 | 91 |
| 25-4013 | Museum Technicians and Conservators | 61 | 64 | 3 | **4.92%** | 3 | 4 | 2 | 9 |
| 43-4131 | Loan Interviewers and Clerks | 2,130 | 2,234 | 104 | **4.88%** | 72 | 118 | 52 | 242 |
| 49-9021 | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 3,094 | 3,245 | 151 | **4.88%** | 84 | 186 | 76 | 346 |
| 11-9111 | Medical and Health Services Managers | 6,050 | 6,342 | 292 | **4.83%** | 155 | 272 | 146 | 573 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| 35-3023 | Fast Food and Counter Workers | 40,394 | 37,251 | -3,143 | -7.78% | **3,622** | 3,460 | -1,572 | 5,510 |
| 11-9013 | Farmers, Ranchers, and Other Agricultural Managers | 54,168 | 52,812 | -1,356 | -2.50% | **3,458** | 1,594 | -678 | 4,374 |
| 41-2011 | Cashiers | 28,567 | 28,018 | -549 | -1.92% | **2,383** | 2,390 | -274 | 4,499 |
| 41-2031 | Retail Salespersons | 38,185 | 36,892 | -1,293 | -3.39% | **2,104** | 2,810 | -646 | 4,268 |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 39,567 | 39,287 | -280 | -0.71% | **1,616** | 2,359 | -140 | 3,835 |
| 43-9061 | Office Clerks, General | 28,538 | 28,194 | -344 | -1.21% | **1,554** | 1,546 | -172 | 2,928 |
| 31-1120 | Home Health and Personal Care Aides | 22,842 | 22,863 | 21 | 0.09% | **1,410** | 1,165 | 10 | 2,585 |
| 35-3031 | Waiters and Waitresses | 19,175 | 17,378 | -1,797 | -9.37% | **1,270** | 1,928 | -898 | 2,300 |
| 37-2011 | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 20,026 | 20,250 | 224 | 1.12% | **1,230** | 1,219 | 112 | 2,561 |
| 31-1131 | Nursing Assistants | 18,760 | 18,621 | -139 | -0.74% | **1,002** | 909 | -70 | 1,841 |
| 53-7065 | Stockers and Order Fillers | 19,217 | 19,343 | 126 | 0.66% | **946** | 1,334 | 63 | 2,343 |
| 53-7062 | Laborers and Freight, Stock, and Material Movers, Hand | 21,694 | 21,565 | -129 | -0.59% | **928** | 1,683 | -64 | 2,547 |
| 39-9011 | Childcare Workers | 11,503 | 11,339 | -164 | -1.43% | **846** | 717 | -82 | 1,481 |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | 13,722 | 13,652 | -70 | -0.51% | **823** | 622 | -35 | 1,410 |
| 43-6014 | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 15,393 | 15,128 | -265 | -1.72% | **784** | 772 | -132 | 1,424 |
| 43-4051 | Customer Service Representatives | 16,752 | 16,894 | 142 | 0.85% | **782** | 1,222 | 71 | 2,075 |
| 37-2012 | Maids and Housekeeping Cleaners | 11,612 | 10,983 | -629 | -5.42% | **781** | 615 | -314 | 1,082 |
| 29-1141 | Registered Nurses | 26,495 | 26,664 | 169 | 0.64% | **720** | 553 | 84 | 1,357 |
| 43-4171 | Receptionists and Information Clerks | 11,144 | 11,250 | 106 | 0.95% | **632** | 714 | 53 | 1,399 |
| 53-3058 | Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity | 9,921 | 9,842 | -79 | -0.80% | **620** | 418 | -40 | 998 |

## Top 20 Occupations by Annual Transfers

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| 35-3023 | Fast Food and Counter Workers | 40,394 | 37,251 | -3,143 | -7.78% | 3,622 | **3,460** | -1,572 | 5,510 |
| 41-2031 | Retail Salespersons | 38,185 | 36,892 | -1,293 | -3.39% | 2,104 | **2,810** | -646 | 4,268 |
| 41-2011 | Cashiers | 28,567 | 28,018 | -549 | -1.92% | 2,383 | **2,390** | -274 | 4,499 |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 39,567 | 39,287 | -280 | -0.71% | 1,616 | **2,359** | -140 | 3,835 |
| 35-3031 | Waiters and Waitresses | 19,175 | 17,378 | -1,797 | -9.37% | 1,270 | **1,928** | -898 | 2,300 |
| 53-7062 | Laborers and Freight, Stock, and Material Movers, Hand | 21,694 | 21,565 | -129 | -0.59% | 928 | **1,683** | -64 | 2,547 |
| 11-9013 | Farmers, Ranchers, and Other Agricultural Managers | 54,168 | 52,812 | -1,356 | -2.50% | 3,458 | **1,594** | -678 | 4,374 |
| 43-9061 | Office Clerks, General | 28,538 | 28,194 | -344 | -1.21% | 1,554 | **1,546** | -172 | 2,928 |
| 53-7065 | Stockers and Order Fillers | 19,217 | 19,343 | 126 | 0.66% | 946 | **1,334** | 63 | 2,343 |
| 43-4051 | Customer Service Representatives | 16,752 | 16,894 | 142 | 0.85% | 782 | **1,222** | 71 | 2,075 |
| 37-2011 | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 20,026 | 20,250 | 224 | 1.12% | 1,230 | **1,219** | 112 | 2,561 |
| 11-1021 | General and Operations Managers | 21,963 | 22,214 | 251 | 1.14% | 448 | **1,192** | 126 | 1,766 |
| 31-1120 | Home Health and Personal Care Aides | 22,842 | 22,863 | 21 | 0.09% | 1,410 | **1,165** | 10 | 2,585 |
| 35-1012 | First-Line Supervisors of Food Preparation and Serving Workers | 12,486 | 11,490 | -996 | -7.98% | 532 | **1,110** | -498 | 1,144 |
| 41-1011 | First-Line Supervisors of Retail Sales Workers | 15,563 | 15,201 | -362 | -2.33% | 524 | **966** | -181 | 1,309 |
| 31-1131 | Nursing Assistants | 18,760 | 18,621 | -139 | -0.74% | 1,002 | **909** | -70 | 1,841 |
| 43-1011 | First-Line Supervisors of Office and Administrative Support Workers | 14,497 | 14,484 | -13 | -0.09% | 537 | **817** | -6 | 1,348 |
| 51-2090 | Miscellaneous Assemblers and Fabricators | 13,133 | 12,234 | -899 | -6.85% | 478 | **800** | -450 | 828 |
| 35-2014 | Cooks, Restaurant | 10,870 | 10,204 | -666 | -6.13% | 566 | **797** | -333 | 1,030 |
| 43-6014 | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 15,393 | 15,128 | -265 | -1.72% | 784 | **772** | -132 | 1,424 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| 35-3023 | Fast Food and Counter Workers | 40,394 | 37,251 | -3,143 | -7.78% | 3,622 | 3,460 | -1,572 | **5,510** |
| 41-2011 | Cashiers | 28,567 | 28,018 | -549 | -1.92% | 2,383 | 2,390 | -274 | **4,499** |
| 11-9013 | Farmers, Ranchers, and Other Agricultural Managers | 54,168 | 52,812 | -1,356 | -2.50% | 3,458 | 1,594 | -678 | **4,374** |
| 41-2031 | Retail Salespersons | 38,185 | 36,892 | -1,293 | -3.39% | 2,104 | 2,810 | -646 | **4,268** |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 39,567 | 39,287 | -280 | -0.71% | 1,616 | 2,359 | -140 | **3,835** |
| 43-9061 | Office Clerks, General | 28,538 | 28,194 | -344 | -1.21% | 1,554 | 1,546 | -172 | **2,928** |
| 31-1120 | Home Health and Personal Care Aides | 22,842 | 22,863 | 21 | 0.09% | 1,410 | 1,165 | 10 | **2,585** |
| 37-2011 | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 20,026 | 20,250 | 224 | 1.12% | 1,230 | 1,219 | 112 | **2,561** |
| 53-7062 | Laborers and Freight, Stock, and Material Movers, Hand | 21,694 | 21,565 | -129 | -0.59% | 928 | 1,683 | -64 | **2,547** |
| 53-7065 | Stockers and Order Fillers | 19,217 | 19,343 | 126 | 0.66% | 946 | 1,334 | 63 | **2,343** |
| 35-3031 | Waiters and Waitresses | 19,175 | 17,378 | -1,797 | -9.37% | 1,270 | 1,928 | -898 | **2,300** |
| 43-4051 | Customer Service Representatives | 16,752 | 16,894 | 142 | 0.85% | 782 | 1,222 | 71 | **2,075** |
| 31-1131 | Nursing Assistants | 18,760 | 18,621 | -139 | -0.74% | 1,002 | 909 | -70 | **1,841** |
| 11-1021 | General and Operations Managers | 21,963 | 22,214 | 251 | 1.14% | 448 | 1,192 | 126 | **1,766** |
| 39-9011 | Childcare Workers | 11,503 | 11,339 | -164 | -1.43% | 846 | 717 | -82 | **1,481** |
| 43-6014 | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 15,393 | 15,128 | -265 | -1.72% | 784 | 772 | -132 | **1,424** |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | 13,722 | 13,652 | -70 | -0.51% | 823 | 622 | -35 | **1,410** |
| 43-4171 | Receptionists and Information Clerks | 11,144 | 11,250 | 106 | 0.95% | 632 | 714 | 53 | **1,399** |
| 29-1141 | Registered Nurses | 26,495 | 26,664 | 169 | 0.64% | 720 | 553 | 84 | **1,357** |
| 43-1011 | First-Line Supervisors of Office and Administrative Support Workers | 14,497 | 14,484 | -13 | -0.09% | 537 | 817 | -6 | **1,348** |

Top 20 Declining Occupations by Numeric Change

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| 35-3023 | Fast Food and Counter Workers | 40,394 | 37,251 | **-3,143** | -7.78% | 3,622 | 3,460 | -1,572 | 5,510 |
| 35-3031 | Waiters and Waitresses | 19,175 | 17,378 | **-1,797** | -9.37% | 1,270 | 1,928 | -898 | 2,300 |
| 11-9013 | Farmers, Ranchers, and Other Agricultural Managers | 54,168 | 52,812 | **-1,356** | -2.50% | 3,458 | 1,594 | -678 | 4,374 |
| 41-2031 | Retail Salespersons | 38,185 | 36,892 | **-1,293** | -3.39% | 2,104 | 2,810 | -646 | 4,268 |
| 35-1012 | First-Line Supervisors of Food Preparation and Serving Workers | 12,486 | 11,490 | **-996** | -7.98% | 532 | 1,110 | -498 | 1,144 |
| 51-2090 | Miscellaneous Assemblers and Fabricators | 13,133 | 12,234 | **-899** | -6.85% | 478 | 800 | -450 | 828 |
| 35-2014 | Cooks, Restaurant | 10,870 | 10,204 | **-666** | -6.13% | 566 | 797 | -333 | 1,030 |
| 53-3033 | Light Truck or Delivery Services Drivers | 9,529 | 8,887 | **-642** | -6.74% | 378 | 551 | -321 | 608 |
| 37-2012 | Maids and Housekeeping Cleaners | 11,612 | 10,983 | **-629** | -5.42% | 781 | 615 | -314 | 1,082 |
| 41-2011 | Cashiers | 28,567 | 28,018 | **-549** | -1.92% | 2,383 | 2,390 | -274 | 4,499 |
| 35-2011 | Cooks, Fast Food | 3,930 | 3,452 | **-478** | -12.16% | 198 | 279 | -239 | 238 |
| 39-3031 | Ushers, Lobby Attendants, and Ticket Takers | 1,058 | 618 | **-440** | -41.59% | 110 | 110 | -220 | 0 |
| 41-1011 | First-Line Supervisors of Retail Sales Workers | 15,563 | 15,201 | **-362** | -2.33% | 524 | 966 | -181 | 1,309 |
| 51-9061 | Inspectors, Testers, Sorters, Samplers, and Weighers | 6,582 | 6,231 | **-351** | -5.33% | 236 | 456 | -176 | 516 |
| 43-9061 | Office Clerks, General | 28,538 | 28,194 | **-344** | -1.21% | 1,554 | 1,546 | -172 | 2,928 |
| 35-9021 | Dishwashers | 3,324 | 2,985 | **-339** | -10.20% | 238 | 228 | -170 | 296 |
| 43-4081 | Hotel, Motel, and Resort Desk Clerks | 2,510 | 2,192 | **-318** | -12.67% | 122 | 234 | -159 | 197 |
| 25-3031 | Substitute Teachers, Short-Term | 3,903 | 3,612 | **-291** | -7.46% | 220 | 174 | -146 | 248 |
| 51-5112 | Printing Press Operators | 2,258 | 1,974 | **-284** | -12.58% | 78 | 128 | -142 | 64 |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 39,567 | 39,287 | **-280** | -0.71% | 1,616 | 2,359 | -140 | 3,835 |

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** |
| 39-3031 | Ushers, Lobby Attendants, and Ticket Takers | 1,058 | 618 | -440 | **-41.59%** | 110 | 110 | -220 | 0 |
| 41-3041 | Travel Agents | 239 | 160 | -79 | **-33.05%** | 20 | 20 | -40 | 0 |
| 27-2021 | Athletes and Sports Competitors | 266 | 210 | -56 | **-21.05%** | 14 | 18 | -28 | 4 |
| 51-6021 | Pressers, Textile, Garment, and Related Materials | 276 | 220 | -56 | **-20.29%** | 14 | 14 | -28 | 0 |
| 47-5011 | Derrick Operators, Oil and Gas | 27 | 22 | -5 | **-18.52%** | 0 | 2 | -2 | 0 |
| 47-5071 | Roustabouts, Oil and Gas | 289 | 242 | -47 | **-16.26%** | 7 | 22 | -24 | 5 |
| 51-5113 | Print Binding and Finishing Workers | 329 | 282 | -47 | **-14.29%** | 18 | 19 | -24 | 13 |
| 51-9022 | Grinding and Polishing Workers, Hand | 839 | 723 | -116 | **-13.83%** | 24 | 56 | -58 | 22 |
| 51-4071 | Foundry Mold and Coremakers | 80 | 69 | -11 | **-13.75%** | 2 | 4 | -6 | 0 |
| 51-6064 | Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders | 279 | 243 | -36 | **-12.90%** | 12 | 11 | -18 | 5 |
| 47-5013 | Service Unit Operators, Oil, Gas, and Mining | 732 | 638 | -94 | **-12.84%** | 18 | 64 | -47 | 35 |
| 27-3023 | News Analysts, Reporters, and Journalists | 347 | 303 | -44 | **-12.68%** | 9 | 23 | -22 | 10 |
| 43-4081 | Hotel, Motel, and Resort Desk Clerks | 2,510 | 2,192 | -318 | **-12.67%** | 122 | 234 | -159 | 197 |
| 51-5112 | Printing Press Operators | 2,258 | 1,974 | -284 | **-12.58%** | 78 | 128 | -142 | 64 |
| 51-2021 | Coil Winders, Tapers, and Finishers | 209 | 183 | -26 | **-12.44%** | 8 | 11 | -13 | 6 |
| 27-4032 | Film and Video Editors | 65 | 57 | -8 | **-12.31%** | 2 | 4 | -4 | 2 |
| 35-2011 | Cooks, Fast Food | 3,930 | 3,452 | -478 | **-12.16%** | 198 | 279 | -239 | 238 |
| 51-5111 | Prepress Technicians and Workers | 166 | 146 | -20 | **-12.05%** | 5 | 12 | -10 | 7 |
| 35-3011 | Bartenders | 1,944 | 1,714 | -230 | **-11.83%** | 80 | 204 | -115 | 169 |
| 49-9091 | Coin, Vending, and Amusement Machine Servicers and Repairers | 120 | 106 | -14 | **-11.67%** | 6 | 7 | -7 | 6 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **00-0000** | **TOTAL, ALL OCCUPATIONS** | **1,431,344** | **1,420,248** | **-11,096** | **-0.78%** | **61,704** | **82,730** | **-5,548** | **138,886** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **11-0000** | **MANAGEMENT OCCUPATIONS** | **133,807** | **133,304** | **-503** | **-0.38%** | **5,298** | **5,368** | **-252** | **10,414** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***11-1000*** | ***Top Executives*** | ***26,549*** | ***26,815*** | ***266*** | ***1.00%*** | ***568*** | ***1,360*** | ***133*** | ***2,061*** |  |  |  |
| **11-1011** | Chief Executives | 3,236 | 3,213 | -23 | -0.71% | 85 | 113 | -12 | 186 | BD | 5+ | None |
| **11-1021** | General and Operations Managers | 21,963 | 22,214 | 251 | 1.14% | 448 | 1,192 | 126 | 1,766 | BD | 5+ | None |
| **11-1031** | Legislators | 1,350 | 1,388 | 38 | 2.81% | 34 | 55 | 19 | 108 | BD | <5 | None |
| ***11-2000*** | ***Advertising, Marketing,***  ***Promotions, Public Relations, and Sales Managers*** | ***4,111*** | ***4,151*** | ***40*** | ***0.97%*** | ***86*** | ***230*** | ***20*** | ***336*** |  |  |  |
| **11-2011** | Advertising and Promotions Managers | 115 | 112 | -3 | -2.61% | 2 | 8 | -2 | 8 | BD | <5 | None |
| **11-2021** | Marketing Managers | 1,398 | 1,416 | 18 | 1.29% | 28 | 79 | 9 | 116 | BD | 5+ | None |
| **11-2022** | Sales Managers | 2,177 | 2,190 | 13 | 0.60% | 44 | 122 | 6 | 172 | BD | <5 | None |
| **11-2030** | Public Relations and Fundraising Managers | 421 | 433 | 12 | 2.85% | 10 | 21 | 6 | 37 | BD | 5+ | None |
| ***11-3000*** | ***Operations Specialties Managers*** | ***15,656*** | ***16,019*** | ***363*** | ***2.32%*** | ***328*** | ***726*** | ***182*** | ***1,236*** |  |  |  |
| **11-3010** | Administrative Services and Facilities Managers | 1,916 | 1,945 | 29 | 1.51% | 54 | 84 | 14 | 152 | BD | <5 | None |
| **11-3021** | Computer and Information Systems Managers | 2,748 | 2,805 | 57 | 2.07% | 46 | 138 | 28 | 212 | BD | 5+ | None |
| **11-3031** | Financial Managers | 5,515 | 5,771 | 256 | 4.64% | 115 | 252 | 128 | 495 | BD | 5+ | None |
| **11-3051** | Industrial Production Managers | 2,012 | 1,999 | -13 | -0.65% | 38 | 82 | -6 | 114 | BD | 5+ | None |
| **11-3061** | Purchasing Managers | 660 | 666 | 6 | 0.91% | 15 | 31 | 3 | 49 | BD | 5+ | None |
| **11-3071** | Transportation, Storage, and Distribution Managers | 1,228 | 1,239 | 11 | 0.90% | 25 | 58 | 6 | 89 | HS | 5+ | None |
| **11-3111** | Compensation and Benefits Managers | 153 | 152 | -1 | -0.65% | 4 | 8 | 0 | 12 | BD | 5+ | None |
| **11-3121** | Human Resources Managers | 1,135 | 1,149 | 14 | 1.23% | 25 | 57 | 7 | 89 | BD | 5+ | None |
| **11-3131** | Training and Development Managers | 289 | 293 | 4 | 1.38% | 6 | 16 | 2 | 24 | BD | 5+ | None |
| ***11-9000*** | ***Other Management Occupations*** | ***87,491*** | ***86,319*** | ***-1,172*** | ***-1.34%*** | ***4,318*** | ***3,052*** | ***-586*** | ***6,784*** |  |  |  |
| **11-9013** | Farmers, Ranchers, and Other Agricultural Managers | 54,168 | 52,812 | -1,356 | -2.50% | 3,458 | 1,594 | -678 | 4,374 | HS | 5+ | None |
| **11-9021** | Construction Managers | 3,550 | 3,665 | 115 | 3.24% | 74 | 150 | 58 | 282 | BD | None | MTOJT |
| **11-9031** | Education Administrators, Preschool and Childcare Center/Program | 674 | 662 | -12 | -1.78% | 16 | 27 | -6 | 37 | BD | <5 | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **11-9032** | Education Administrators, Elementary and Secondary School | 2,506 | 2,528 | 22 | 0.88% | 62 | 102 | 11 | 175 | MD | 5+ | None |
| **11-9033** | Education Administrators, Postsecondary | 1,606 | 1,612 | 6 | 0.37% | 40 | 66 | 3 | 109 | MD | <5 | None |
| **11-9039** | Education Administrators, All Other | 647 | 651 | 4 | 0.62% | 16 | 26 | 2 | 44 | BD | <5 | None |
| **11-9041** | Architectural and Engineering Managers | 910 | 915 | 5 | 0.55% | 14 | 40 | 2 | 56 | BD | 5+ | None |
| **11-9051** | Food Service Managers | 2,636 | 2,476 | -160 | -6.07% | 74 | 176 | -80 | 170 | HS | <5 | None |
| **11-9081** | Lodging Managers | 994 | 898 | -96 | -9.66% | 32 | 58 | -48 | 42 | HS | <5 | None |
| **11-9111** | Medical and Health Services Managers | 6,050 | 6,342 | 292 | 4.83% | 155 | 272 | 146 | 573 | BD | <5 | None |
| **11-9121** | Natural Sciences Managers | 247 | 251 | 4 | 1.62% | 4 | 12 | 2 | 18 | BD | 5+ | None |
| **11-9131** | Postmasters and Mail Superintendents | 186 | 178 | -8 | -4.30% | 4 | 8 | -4 | 8 | HS | <5 | MTOJT |
| **11-9141** | Property, Real Estate, and Community Association Managers | 2,472 | 2,509 | 37 | 1.50% | 93 | 82 | 18 | 193 | HS | <5 | None |
| **11-9151** | Social and Community Service Managers | 1,741 | 1,768 | 27 | 1.55% | 50 | 81 | 14 | 145 | BD | <5 | None |
| **11-9161** | Emergency Management Directors | 149 | 151 | 2 | 1.34% | 4 | 6 | 1 | 11 | BD | 5+ | None |
| **11-9171** | Funeral Home Managers | 304 | 299 | -5 | -1.64% | 8 | 12 | -2 | 18 | AD | <5 | None |
| **11-9198** | Personal Service Managers; Entertainment & Recreation  Managers, Except Gambling; and Managers, All Other | 8,538 | 8,492 | -46 | -0.54% | 212 | 342 | -23 | 531 | BD | <5 | None |
| **11-9199** | Managers, All Other | 110 | 106 | -4 | -3.64% | 1 | 1 | -2 | 0 | BD | <5 | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **13-0000** | **BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS** | **62,348** | **63,549** | **1,201** | **1.93%** | **1,752** | **3,458** | **600** | **5,810** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***13-1000*** | ***Business Operations Specialists*** | ***42,069*** | ***42,816*** | ***747*** | ***1.78%*** | ***1,210*** | ***2,423*** | ***374*** | ***4,007*** |  |  |  |
| **13-1020** | Buyers and Purchasing Agents | 3,582 | 3,543 | -39 | -1.09% | 116 | 216 | -20 | 312 | BD | None | MTOJT |
| **13-1031** | Claims Adjusters, Examiners, and Investigators | 2,001 | 2,025 | 24 | 1.20% | 46 | 98 | 12 | 156 | HS | None | LTOJT |
| **13-1041** | Compliance Officers | 2,760 | 2,799 | 39 | 1.41% | 72 | 138 | 20 | 230 | BD | None | MTOJT |
| **13-1051** | Cost Estimators | 1,300 | 1,323 | 23 | 1.77% | 37 | 73 | 12 | 122 | BD | None | MTOJT |
| **13-1071** | Human Resources Specialists | 4,199 | 4,213 | 14 | 0.33% | 116 | 250 | 7 | 373 | BD | None | None |
| **13-1075** | Labor Relations Specialists | 325 | 324 | -1 | -0.31% | 9 | 19 | 0 | 28 | BD | <5 | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **13-1081** | Logisticians | 1,706 | 1,750 | 44 | 2.58% | 37 | 106 | 22 | 165 | BD | None | None |
| **13-1111** | Management Analysts | 6,973 | 7,166 | 193 | 2.77% | 228 | 367 | 96 | 691 | BD | <5 | None |
| **13-1121** | Meeting, Convention, and Event Planners | 892 | 872 | -20 | -2.24% | 26 | 60 | -10 | 76 | BD | None | None |
| **13-1131** | Fundraisers | 1,093 | 1,220 | 127 | 11.62% | 35 | 69 | 64 | 168 | BD | None | None |
| **13-1141** | Compensation, Benefits, and Job Analysis Specialists | 686 | 690 | 4 | 0.58% | 22 | 36 | 2 | 60 | BD | <5 | None |
| **13-1151** | Training and Development Specialists | 2,669 | 2,677 | 8 | 0.30% | 83 | 159 | 4 | 246 | BD | <5 | None |
| **13-1161** | Market Research Analysts and Marketing Specialists | 4,852 | 5,013 | 161 | 3.32% | 118 | 320 | 80 | 518 | BD | None | None |
| **13-1198** | Project Management Specialists and Business Operations Specialists, All  Other | 8,964 | 9,140 | 176 | 1.96% | 266 | 510 | 88 | 864 | BD | None | None |
| ***13-2000*** | ***Financial Specialists*** | ***20,279*** | ***20,733*** | ***454*** | ***2.24%*** | ***541*** | ***1,036*** | ***227*** | ***1,804*** |  |  |  |
| **13-2011** | Accountants and Auditors | 8,918 | 9,127 | 209 | 2.34% | 254 | 481 | 104 | 839 | BD | None | None |
| **13-2020** | Property Appraisers and Assessors | 620 | 634 | 14 | 2.26% | 22 | 20 | 7 | 49 | BD | None | LTOJT |
| **13-2031** | Budget Analysts | 570 | 570 | 0 | 0.00% | 15 | 27 | 0 | 42 | BD | None | None |
| **13-2041** | Credit Analysts | 309 | 313 | 4 | 1.29% | 6 | 18 | 2 | 26 | BD | None | None |
| **13-2052** | Personal Financial Advisors | 1,128 | 1,153 | 25 | 2.22% | 26 | 51 | 12 | 89 | BD | None | LTOJT |
| **13-2053** | Insurance Underwriters | 2,361 | 2,396 | 35 | 1.48% | 51 | 120 | 18 | 189 | BD | None | MTOJT |
| **13-2061** | Financial Examiners | 371 | 381 | 10 | 2.70% | 10 | 14 | 5 | 29 | BD | None | LTOJT |
| **13-2071** | Credit Counselors | 86 | 89 | 3 | 3.49% | 2 | 4 | 2 | 8 | BD | None | MTOJT |
| **13-2072** | Loan Officers | 2,761 | 2,860 | 99 | 3.59% | 64 | 138 | 50 | 252 | BD | None | MTOJT |
| **13-2081** | Tax Examiners and Collectors, and Revenue Agents | 481 | 482 | 1 | 0.21% | 21 | 17 | 0 | 38 | BD | None | MTOJT |
| **13-2082** | Tax Preparers | 647 | 663 | 16 | 2.47% | 33 | 35 | 8 | 76 | HS | None | MTOJT |
| **13-2098** | Financial and Investment Analysts, Financial Risk Specialists, and  Financial Specialists, All Other | 2,027 | 2,065 | 38 | 1.87% | 36 | 110 | 19 | 165 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **15-0000** | **COMPUTER AND MATHEMATICAL OCCUPATIONS** | **24,144** | **24,608** | **464** | **1.92%** | **408** | **1,128** | **232** | **1,768** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***15-1200*** | ***Computer Occupations*** | ***23,286*** | ***23,715*** | ***429*** | ***1.84%*** | ***391*** | ***1,091*** | ***214*** | ***1,696*** |  |  |  |
| **15-1211** | Computer Systems Analysts | 3,605 | 3,659 | 54 | 1.50% | 69 | 161 | 27 | 257 | BD | None | None |
| **15-1212** | Information Security Analysts | 816 | 868 | 52 | 6.37% | 12 | 42 | 26 | 80 | BD | <5 | None |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **15-1221** | Computer and Information Research Scientists | 51 | 52 | 1 | 1.96% | 1 | 3 | 0 | 4 | MD | None | None |
| **15-1231** | Computer Network Support Specialists | 1,674 | 1,683 | 9 | 0.54% | 30 | 84 | 4 | 118 | AD | None | None |
| **15-1232** | Computer User Support Specialists | 3,846 | 3,892 | 46 | 1.20% | 68 | 192 | 23 | 283 | SC | None | None |
| **15-1241** | Computer Network Architects | 1,017 | 1,029 | 12 | 1.18% | 14 | 44 | 6 | 64 | BD | 5+ | None |
| **15-1244** | Network and Computer Systems Administrators | 2,298 | 2,312 | 14 | 0.61% | 34 | 100 | 7 | 141 | BD | None | None |
| **15-1245** | Database Administrators and Architects | 649 | 660 | 11 | 1.69% | 13 | 28 | 6 | 47 | BD | None | None |
| **15-1251** | Computer Programmers | 1,856 | 1,824 | -32 | -1.72% | 33 | 79 | -16 | 96 | BD | None | None |
| **15-1256** | Software Developers and Software  Quality Assurance Analysts and Testers | 5,775 | 6,015 | 240 | 4.16% | 84 | 278 | 120 | 482 | BD | None | None |
| **15-1257** | Web Developers and Digital Interface Designers | 725 | 736 | 11 | 1.52% | 14 | 36 | 6 | 56 | AD | None | None |
| **15-1299** | Computer Occupations, All Other | 974 | 985 | 11 | 1.13% | 20 | 46 | 6 | 72 | BD | None | None |
| ***15-2000*** | ***Mathematical Science Occupations*** | ***858*** | ***893*** | ***35*** | ***4.08%*** | ***18*** | ***37*** | ***18*** | ***73*** |  |  |  |
| **15-2031** | Operations Research Analysts | 414 | 430 | 16 | 3.86% | 8 | 16 | 8 | 32 | BD | None | None |
| **15-2041** | Statisticians | 392 | 409 | 17 | 4.34% | 8 | 19 | 8 | 35 | MD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **17-0000** | **ARCHITECTURE AND ENGINEERING OCCUPATIONS** | **13,104** | **13,173** | **69** | **0.53%** | **324** | **580** | **34** | **938** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***17-1000*** | ***Architects, Surveyors, and Cartographers*** | ***1,393*** | ***1,423*** | ***30*** | ***2.15%*** | ***40*** | ***56*** | ***15*** | ***111*** |  |  |  |
| **17-1011** | Architects, Except Landscape and Naval | 820 | 839 | 19 | 2.32% | 22 | 34 | 10 | 66 | BD | None | I/R |
| **17-1012** | Landscape Architects | 104 | 105 | 1 | 0.96% | 2 | 4 | 0 | 6 | BD | None | I/R |
| **17-1021** | Cartographers and Photogrammetrists | 105 | 108 | 3 | 2.86% | 4 | 4 | 2 | 10 | BD | None | None |
| **17-1022** | Surveyors | 364 | 371 | 7 | 1.92% | 12 | 14 | 4 | 30 | BD | None | I/R |
| ***17-2000*** | ***Engineers*** | ***7,949*** | ***8,008*** | ***59*** | ***0.74%*** | ***167*** | ***311*** | ***30*** | ***508*** |  |  |  |
| **17-2031** | Biomedical Engineers | 29 | 29 | 0 | 0.00% | 0 | 2 | 0 | 2 | BD | None | None |
| **17-2041** | Chemical Engineers | 142 | 147 | 5 | 3.52% | 3 | 4 | 2 | 9 | BD | None | None |
| **17-2051** | Civil Engineers | 1,494 | 1,515 | 21 | 1.41% | 32 | 70 | 10 | 112 | BD | None | None |
| **17-2061** | Computer Hardware Engineers | 275 | 276 | 1 | 0.36% | 6 | 12 | 0 | 18 | BD | None | None |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **17-2071** | Electrical Engineers | 985 | 988 | 3 | 0.30% | 22 | 36 | 2 | 60 | BD | None | None |
| **17-2072** | Electronics Engineers, Except Computer | 475 | 474 | -1 | -0.21% | 10 | 17 | 0 | 27 | BD | None | None |
| **17-2081** | Environmental Engineers | 106 | 104 | -2 | -1.89% | 2 | 4 | -1 | 5 | BD | None | None |
| **17-2111** | Health and Safety Engineers, Except  Mining Safety Engineers and Inspectors | 108 | 107 | -1 | -0.93% | 2 | 4 | 0 | 6 | BD | None | None |
| **17-2112** | Industrial Engineers | 1,891 | 1,898 | 7 | 0.37% | 41 | 70 | 4 | 115 | BD | None | None |
| **17-2131** | Materials Engineers | 218 | 220 | 2 | 0.92% | 4 | 8 | 1 | 13 | BD | None | None |
| **17-2141** | Mechanical Engineers | 1,175 | 1,182 | 7 | 0.60% | 21 | 44 | 4 | 69 | BD | None | None |
| **17-2199** | Engineers, All Other | 587 | 595 | 8 | 1.36% | 12 | 22 | 4 | 38 | BD | None | None |
| ***17-3000*** | ***Drafters, Engineering Technicians, and Mapping Technicians*** | ***3,762*** | ***3,742*** | ***-20*** | ***-0.53%*** | ***117*** | ***214*** | ***-10*** | ***321*** |  |  |  |
| **17-3011** | Architectural and Civil Drafters | 572 | 585 | 13 | 2.27% | 18 | 32 | 6 | 56 | AD | None | None |
| **17-3012** | Electrical and Electronics Drafters | 120 | 121 | 1 | 0.83% | 4 | 6 | 0 | 10 | AD | None | None |
| **17-3013** | Mechanical Drafters | 423 | 420 | -3 | -0.71% | 13 | 24 | -2 | 35 | AD | None | None |
| **17-3019** | Drafters, All Other | 24 | 24 | 0 | 0.00% | 1 | 2 | 0 | 3 | AD | None | None |
| **17-3022** | Civil Engineering Technicians | 265 | 268 | 3 | 1.13% | 8 | 14 | 2 | 24 | AD | None | None |
| **17-3023** | Electrical and Electronics Engineering Technicians | 527 | 503 | -24 | -4.55% | 16 | 27 | -12 | 31 | AD | None | None |
| **17-3025** | Environmental Engineering Technicians | 232 | 227 | -5 | -2.16% | 7 | 12 | -2 | 17 | AD | None | None |
| **17-3026** | Industrial Engineering Technicians | 522 | 501 | -21 | -4.02% | 16 | 26 | -10 | 32 | AD | None | None |
| **17-3027** | Mechanical Engineering Technicians | 101 | 99 | -2 | -1.98% | 3 | 5 | -1 | 7 | AD | None | None |
| **17-3031** | Surveying and Mapping Technicians | 579 | 594 | 15 | 2.59% | 19 | 45 | 8 | 72 | HS | None | MTOJT |
| **17-3098** | Calibration and Engineering Technologists and Technicians, Except Drafters, All Other | 387 | 389 | 2 | 0.52% | 12 | 20 | 1 | 33 | AD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **19-0000** | **LIFE, PHYSICAL, AND SOCIAL SCIENCE OCCUPATIONS** | **7,871** | **7,976** | **105** | **1.33%** | **158** | **488** | **52** | **698** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***19-1000*** | ***Life Scientists*** | ***1,735*** | ***1,780*** | ***45*** | ***2.59%*** | ***28*** | ***119*** | ***22*** | ***169*** |  |  |  |
| **19-1012** | Food Scientists and Technologists | 261 | 270 | 9 | 3.45% | 4 | 21 | 4 | 29 | BD | None | None |
| **19-1013** | Soil and Plant Scientists | 98 | 103 | 5 | 5.10% | 2 | 8 | 2 | 12 | BD | None | None |
| **19-1022** | Microbiologists | 245 | 254 | 9 | 3.67% | 4 | 16 | 4 | 24 | BD | None | None |
| **19-1029** | Biological Scientists, All Other | 279 | 284 | 5 | 1.79% | 4 | 18 | 2 | 24 | BD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **19-1031** | Conservation Scientists | 171 | 175 | 4 | 2.34% | 3 | 12 | 2 | 17 | BD | None | None |
| **19-1032** | Foresters | 238 | 239 | 1 | 0.42% | 4 | 16 | 0 | 20 | BD | None | None |
| **19-1041** | Epidemiologists | 44 | 45 | 1 | 2.27% | 0 | 2 | 0 | 2 | MD | None | None |
| **19-1042** | Medical Scientists, Except Epidemiologists | 152 | 160 | 8 | 5.26% | 2 | 10 | 4 | 16 | DD | None | None |
| ***19-2000*** | ***Physical Scientists*** | ***735*** | ***739*** | ***4*** | ***0.54%*** | ***12*** | ***48*** | ***2*** | ***62*** |  |  |  |
| **19-2021** | Atmospheric and Space Scientists | 34 | 33 | -1 | -2.94% | 0 | 2 | 0 | 2 | BD | None | None |
| **19-2031** | Chemists | 315 | 318 | 3 | 0.95% | 5 | 20 | 2 | 27 | BD | None | None |
| **19-2032** | Materials Scientists | 27 | 25 | -2 | -7.41% | 0 | 2 | -1 | 1 | BD | None | None |
| **19-2041** | Environmental Scientists and Specialists, Including Health | 125 | 128 | 3 | 2.40% | 2 | 9 | 2 | 13 | BD | None | None |
| **19-2042** | Geoscientists, Except Hydrologists and Geographers | 126 | 128 | 2 | 1.59% | 2 | 9 | 1 | 12 | BD | None | None |
| **19-2099** | Physical Scientists, All Other | 27 | 27 | 0 | 0.00% | 0 | 2 | 0 | 2 | BD | None | None |
| ***19-3000*** | ***Social Scientists and Related Workers*** | ***1,748*** | ***1,754*** | ***6*** | ***0.34%*** | ***37*** | ***76*** | ***3*** | ***116*** |  |  |  |
| **19-3011** | Economists | 102 | 102 | 0 | 0.00% | 2 | 5 | 0 | 7 | MD | None | None |
| **19-3031** | Clinical, Counseling, and School Psychologists | 1,114 | 1,109 | -5 | -0.45% | 24 | 40 | -2 | 62 | DD | None | I/R |
| **19-3039** | Psychologists, All Other | 132 | 134 | 2 | 1.52% | 3 | 5 | 1 | 9 | MD | None | I/R |
| **19-3051** | Urban and Regional Planners | 112 | 116 | 4 | 3.57% | 2 | 7 | 2 | 11 | MD | None | None |
| **19-3091** | Anthropologists and Archeologists | 27 | 27 | 0 | 0.00% | 0 | 2 | 0 | 2 | MD | None | None |
| **19-3099** | Social Scientists and Related Workers, All Other | 189 | 193 | 4 | 2.12% | 4 | 13 | 2 | 19 | BD | None | None |
| ***19-4000*** | ***Life, Physical, and Social Science Technicians*** | ***2,737*** | ***2,780*** | ***43*** | ***1.57%*** | ***63*** | ***218*** | ***22*** | ***303*** |  |  |  |
| **19-4010** | Agricultural and Food Science Technicians | 485 | 490 | 5 | 1.03% | 12 | 40 | 2 | 54 | AD | None | MTOJT |
| **19-4021** | Biological Technicians | 368 | 378 | 10 | 2.72% | 7 | 30 | 5 | 42 | BD | None | None |
| **19-4031** | Chemical Technicians | 666 | 685 | 19 | 2.85% | 10 | 50 | 10 | 70 | AD | None | MTOJT |
| **19-4042** | Environmental Science and  Protection Technicians, Including Health | 76 | 76 | 0 | 0.00% | 2 | 6 | 0 | 8 | AD | None | None |
| **19-4045** | Geological and Hydrologic Technicians | 59 | 59 | 0 | 0.00% | 1 | 4 | 0 | 5 | AD | None | MTOJT |
| **19-4061** | Social Science Research Assistants | 59 | 60 | 1 | 1.69% | 2 | 5 | 0 | 7 | BD | None | None |
| **19-4071** | Forest and Conservation Technicians | 318 | 325 | 7 | 2.20% | 10 | 26 | 4 | 40 | AD | None | None |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **19-4092** | Forensic Science Technicians | 161 | 163 | 2 | 1.24% | 4 | 13 | 1 | 18 | BD | None | MTOJT |
| **19-4099** | Life, Physical, and Social Science Technicians, All Other | 545 | 544 | -1 | -0.18% | 16 | 44 | 0 | 60 | AD | None | None |
| ***19-5000*** | ***Occupational Health and Safety Specialists and Technicians*** | ***916*** | ***923*** | ***7*** | ***0.76%*** | ***19*** | ***26*** | ***4*** | ***49*** |  |  |  |
| **19-5011** | Occupational Health and Safety Specialists | 689 | 693 | 4 | 0.58% | 14 | 20 | 2 | 36 | BD | None | None |
| **19-5012** | Occupational Health and Safety Technicians | 227 | 230 | 3 | 1.32% | 4 | 6 | 2 | 12 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **21-0000** | **COMMUNITY AND SOCIAL SERVICE OCCUPATIONS** | **33,816** | **34,502** | **686** | **2.03%** | **1,355** | **1,942** | **343** | **3,640** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***21-1000*** | ***Counselors, Social Workers, and***  ***Other Community and Social Service Specialists*** | ***16,929*** | ***17,172*** | ***243*** | ***1.44%*** | ***554*** | ***1,010*** | ***122*** | ***1,686*** |  |  |  |
| **21-1012** | Educational, Guidance, School, and Vocational Counselors | 2,250 | 2,278 | 28 | 1.24% | 74 | 125 | 14 | 213 | MD | None | None |
| **21-1013** | Marriage and Family Therapists | 125 | 124 | -1 | -0.80% | 4 | 7 | 0 | 11 | MD | None | I/R |
| **21-1015** | Rehabilitation Counselors | 658 | 649 | -9 | -1.37% | 21 | 36 | -4 | 53 | MD | None | None |
| **21-1018** | Substance Abuse, Behavioral Disorder, and Mental Health Counselors | 2,093 | 2,148 | 55 | 2.63% | 69 | 117 | 28 | 214 | BD | None | None |
| **21-1019** | Counselors, All Other | 150 | 150 | 0 | 0.00% | 5 | 8 | 0 | 13 | MD | None | None |
| **21-1021** | Child, Family, and School Social Workers | 1,512 | 1,500 | -12 | -0.79% | 43 | 86 | -6 | 123 | BD | None | None |
| **21-1022** | Healthcare Social Workers | 1,366 | 1,376 | 10 | 0.73% | 39 | 78 | 5 | 122 | MD | None | I/R |
| **21-1023** | Mental Health and Substance Abuse Social Workers | 1,186 | 1,205 | 19 | 1.60% | 34 | 68 | 10 | 112 | MD | None | I/R |
| **21-1029** | Social Workers, All Other | 1,223 | 1,239 | 16 | 1.31% | 35 | 70 | 8 | 113 | BD | None | None |
| **21-1091** | Health Educators | 228 | 229 | 1 | 0.44% | 8 | 14 | 0 | 22 | BD | None | None |
| **21-1092** | Probation Officers and Correctional Treatment Specialists | 924 | 918 | -6 | -0.65% | 19 | 50 | -3 | 66 | BD | None | STOJT |
| **21-1093** | Social and Human Service Assistants | 4,436 | 4,544 | 108 | 2.43% | 176 | 304 | 54 | 534 | HS | None | STOJT |
| **21-1094** | Community Health Workers | 347 | 356 | 9 | 2.59% | 12 | 21 | 4 | 37 | HS | None | STOJT |
| **21-1099** | Community and Social Service Specialists, All Other | 431 | 456 | 25 | 5.80% | 16 | 26 | 12 | 54 | BD | None | None |
| ***21-2000*** | ***Religious Workers*** | ***16,887*** | ***17,330*** | ***443*** | ***2.62%*** | ***800*** | ***932*** | ***222*** | ***1,954*** |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **21-2011** | Clergy | 11,962 | 12,274 | 312 | 2.61% | 516 | 623 | 156 | 1,295 | BD | None | MTOJT |
| **21-2021** | Directors, Religious Activities and Education | 1,193 | 1,224 | 31 | 2.60% | 50 | 79 | 16 | 145 | BD | <5 | None |
| **21-2099** | Religious Workers, All Other | 3,732 | 3,832 | 100 | 2.68% | 234 | 230 | 50 | 514 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **23-0000** | **LEGAL OCCUPATIONS** | **7,300** | **7,417** | **117** | **1.60%** | **192** | **266** | **58** | **516** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***23-1000*** | ***Lawyers, Judges, and Related Workers*** | ***4,561*** | ***4,610*** | ***49*** | ***1.07%*** | ***96*** | ***106*** | ***24*** | ***226*** |  |  |  |
| **23-1011** | Lawyers | 4,010 | 4,063 | 53 | 1.32% | 85 | 94 | 26 | 205 | DD | None | None |
| **23-1012** | Judicial Law Clerks | 49 | 49 | 0 | 0.00% | 1 | 2 | 0 | 3 | DD | None | None |
| **23-1021** | Administrative Law Judges, Adjudicators, and Hearing Officers | 241 | 239 | -2 | -0.83% | 5 | 6 | -1 | 10 | DD | 5+ | STOJT |
| **23-1022** | Arbitrators, Mediators, and Conciliators | 20 | 20 | 0 | 0.00% | 0 | 0 | 0 | 0 | BD | <5 | MTOJT |
| **23-1023** | Judges, Magistrate Judges, and Magistrates | 241 | 239 | -2 | -0.83% | 5 | 6 | -1 | 10 | DD | 5+ | STOJT |
| ***23-2000*** | ***Legal Support Workers*** | ***2,739*** | ***2,807*** | ***68*** | ***2.48%*** | ***96*** | ***159*** | ***34*** | ***289*** |  |  |  |
| **23-2011** | Paralegals and Legal Assistants | 2,091 | 2,155 | 64 | 3.06% | 74 | 129 | 32 | 235 | AD | None | None |
| **23-2093** | Title Examiners, Abstractors, and Searchers | 525 | 528 | 3 | 0.57% | 18 | 24 | 2 | 44 | HS | None | MTOJT |
| **23-2099** | Legal Support Workers, All Other | 123 | 124 | 1 | 0.81% | 4 | 6 | 0 | 10 | AD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **25-0000** | **EDUCATION, TRAINING, AND LIBRARY OCCUPATIONS** | **83,773** | **83,923** | **150** | **0.18%** | **3,256** | **3,272** | **75** | **6,603** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***25-1000*** | ***Postsecondary Teachers*** | ***13,349*** | ***13,500*** | ***151*** | ***1.13%*** | ***500*** | ***498*** | ***76*** | ***1,074*** |  |  |  |
| **25-1011** | Business Teachers, Postsecondary | 731 | 746 | 15 | 2.05% | 28 | 28 | 8 | 64 | DD | None | None |
| **25-1021** | Computer Science Teachers, Postsecondary | 413 | 415 | 2 | 0.48% | 16 | 16 | 1 | 33 | DD | None | None |
| **25-1022** | Mathematical Science Teachers, Postsecondary | 703 | 707 | 4 | 0.57% | 26 | 26 | 2 | 54 | DD | None | None |
| **25-1032** | Engineering Teachers, Postsecondary | 364 | 368 | 4 | 1.10% | 14 | 14 | 2 | 30 | DD | None | None |
| **25-1041** | Agricultural Sciences Teachers, Postsecondary | 244 | 244 | 0 | 0.00% | 9 | 9 | 0 | 18 | DD | None | None |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **25-1042** | Biological Science Teachers, Postsecondary | 1,713 | 1,731 | 18 | 1.05% | 64 | 64 | 9 | 137 | DD | None | None |
| **25-1051** | Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary | 107 | 107 | 0 | 0.00% | 4 | 4 | 0 | 8 | DD | None | None |
| **25-1052** | Chemistry Teachers, Postsecondary | 249 | 251 | 2 | 0.80% | 10 | 10 | 1 | 21 | DD | None | None |
| **25-1053** | Environmental Science Teachers, Postsecondary | 20 | 20 | 0 | 0.00% | 0 | 0 | 0 | 0 | DD | None | None |
| **25-1054** | Physics Teachers, Postsecondary | 116 | 116 | 0 | 0.00% | 4 | 4 | 0 | 8 | DD | None | None |
| **25-1061** | Anthropology and Archeology Teachers, Postsecondary | 26 | 26 | 0 | 0.00% | 1 | 1 | 0 | 2 | DD | None | None |
| **25-1063** | Economics Teachers, Postsecondary | 101 | 102 | 1 | 0.99% | 4 | 4 | 0 | 8 | DD | None | None |
| **25-1065** | Political Science Teachers, Postsecondary | 121 | 121 | 0 | 0.00% | 4 | 4 | 0 | 8 | DD | None | None |
| **25-1066** | Psychology Teachers, Postsecondary | 310 | 316 | 6 | 1.94% | 12 | 12 | 3 | 27 | DD | None | None |
| **25-1067** | Sociology Teachers, Postsecondary | 111 | 112 | 1 | 0.90% | 4 | 4 | 0 | 8 | DD | None | None |
| **25-1069** | Social Sciences Teachers, Postsecondary, All Other | 284 | 286 | 2 | 0.70% | 10 | 10 | 1 | 21 | DD | None | None |
| **25-1071** | Health Specialties Teachers, Postsecondary | 784 | 809 | 25 | 3.19% | 30 | 30 | 12 | 72 | DD | <5 | None |
| **25-1072** | Nursing Instructors and Teachers, Postsecondary | 768 | 796 | 28 | 3.65% | 29 | 29 | 14 | 72 | DD | <5 | None |
| **25-1081** | Education Teachers, Postsecondary | 673 | 677 | 4 | 0.59% | 25 | 25 | 2 | 52 | DD | <5 | None |
| **25-1082** | Library Science Teachers, Postsecondary | 38 | 38 | 0 | 0.00% | 2 | 2 | 0 | 4 | DD | None | None |
| **25-1111** | Criminal Justice and Law Enforcement Teachers,  Postsecondary | 103 | 105 | 2 | 1.94% | 4 | 4 | 1 | 9 | DD | None | None |
| **25-1112** | Law Teachers, Postsecondary | 108 | 109 | 1 | 0.93% | 4 | 4 | 0 | 8 | DD | <5 | None |
| **25-1113** | Social Work Teachers, Postsecondary | 322 | 323 | 1 | 0.31% | 12 | 12 | 0 | 24 | DD | None | None |
| **25-1121** | Art, Drama, and Music Teachers, Postsecondary | 878 | 884 | 6 | 0.68% | 33 | 32 | 3 | 68 | MD | None | None |
| **25-1122** | Communications Teachers, Postsecondary | 503 | 506 | 3 | 0.60% | 19 | 18 | 2 | 39 | DD | None | None |
| **25-1123** | English Language and Literature Teachers, Postsecondary | 793 | 796 | 3 | 0.38% | 30 | 30 | 2 | 62 | DD | None | None |
| **25-1124** | Foreign Language and Literature Teachers, Postsecondary | 210 | 212 | 2 | 0.95% | 8 | 8 | 1 | 17 | DD | None | None |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **25-1125** | History Teachers, Postsecondary | 347 | 350 | 3 | 0.86% | 13 | 13 | 2 | 28 | DD | None | None |
| **25-1126** | Philosophy and Religion Teachers, Postsecondary | 81 | 82 | 1 | 1.23% | 3 | 3 | 0 | 6 | DD | None | None |
| **25-1192** | Home Economics Teachers, Postsecondary | 37 | 37 | 0 | 0.00% | 2 | 2 | 0 | 4 | MD | None | None |
| **25-1193** | Recreation and Fitness Studies Teachers, Postsecondary | 142 | 143 | 1 | 0.70% | 6 | 6 | 0 | 12 | DD | None | None |
| **25-1194** | Vocational Education Teachers, Postsecondary | 877 | 890 | 13 | 1.48% | 33 | 32 | 6 | 71 | BD | <5 | None |
| **25-1199** | Postsecondary Teachers, All Other | 1,007 | 1,010 | 3 | 0.30% | 38 | 38 | 2 | 78 | DD | None | None |
| ***25-2000*** | ***Preschool, Primary, Secondary, and Special Education School***  ***Teachers*** | ***44,053*** | ***44,354*** | ***301*** | ***0.68%*** | ***1,412*** | ***1,634*** | ***150*** | ***3,196*** |  |  |  |
| **25-2011** | Preschool Teachers, Except Special Education | 5,090 | 5,066 | -24 | -0.47% | 204 | 253 | -12 | 445 | AD | None | None |
| **25-2012** | Kindergarten Teachers, Except Special Education | 1,534 | 1,547 | 13 | 0.85% | 62 | 77 | 6 | 145 | BD | None | None |
| **25-2021** | Elementary School Teachers, Except Special Education | 13,335 | 13,451 | 116 | 0.87% | 424 | 464 | 58 | 946 | BD | None | None |
| **25-2022** | Middle School Teachers, Except Special and Career/Technical  Education | 6,615 | 6,673 | 58 | 0.88% | 210 | 230 | 29 | 469 | BD | None | None |
| **25-2023** | Career/Technical Education Teachers, Middle School | 60 | 61 | 1 | 1.67% | 2 | 2 | 0 | 4 | BD | <5 | None |
| **25-2031** | Secondary School Teachers, Except Special and Career/Technical Education | 12,244 | 12,355 | 111 | 0.91% | 341 | 430 | 56 | 827 | BD | None | None |
| **25-2032** | Career/Technical Education  Teachers, Secondary School | 1,179 | 1,186 | 7 | 0.59% | 33 | 42 | 4 | 79 | BD | <5 | None |
| **25-2051** | Special Education Teachers, Preschool | 375 | 369 | -6 | -1.60% | 12 | 12 | -3 | 21 | BD | None | None |
| **25-2052** | Special Education Teachers, Kindergarten and Elementary School | 1,327 | 1,335 | 8 | 0.60% | 45 | 46 | 4 | 95 | BD | None | None |
| **25-2057** | Special Education Teachers, Middle School | 926 | 932 | 6 | 0.65% | 32 | 32 | 3 | 67 | BD | None | None |
| **25-2058** | Special Education Teachers, Secondary School | 1,230 | 1,239 | 9 | 0.73% | 42 | 42 | 4 | 88 | BD | None | None |
| **25-2059** | Special Education Teachers, All Other | 138 | 140 | 2 | 1.45% | 4 | 4 | 1 | 9 | BD | None | None |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***25-3000*** | ***Other Teachers and Instructors*** | ***7,371*** | ***7,038*** | ***-333*** | ***-4.52%*** | ***418*** | ***334*** | ***-166*** | ***586*** |  |  |  |
| **25-3011** | Adult Basic and Secondary Education and Literacy Teachers and Instructors | 293 | 288 | -5 | -1.71% | 17 | 14 | -2 | 29 | BD | None | None |
| **25-3021** | Self-Enrichment Education Teachers | 1,254 | 1,217 | -37 | -2.95% | 72 | 58 | -18 | 112 | HS | <5 | None |
| **25-3031** | Substitute Teachers, Short-Term | 3,903 | 3,612 | -291 | -7.46% | 220 | 174 | -146 | 248 | BD | None | None |
| **25-3097** | Teachers and Instructors, All Other, Except Substitute Teachers | 1,879 | 1,881 | 2 | 0.11% | 110 | 88 | 1 | 199 | BD | None | None |
| **25-3099** | Teachers and Instructors, All Other | 42 | 40 | -2 | -4.76% | 0 | 0 | -1 | 0 | BD | None | None |
| ***25-4000*** | ***Librarians, Curators, and Archivists*** | ***2,312*** | ***2,333*** | ***21*** | ***0.91%*** | ***132*** | ***105*** | ***10*** | ***247*** |  |  |  |
| **25-4011** | Archivists | 62 | 63 | 1 | 1.61% | 3 | 4 | 0 | 7 | MD | None | None |
| **25-4012** | Curators | 97 | 102 | 5 | 5.15% | 5 | 5 | 2 | 12 | MD | None | None |
| **25-4013** | Museum Technicians and Conservators | 61 | 64 | 3 | 4.92% | 3 | 4 | 2 | 9 | BD | None | None |
| **25-4022** | Librarians and Media Collections Specialists | 1,519 | 1,536 | 17 | 1.12% | 72 | 61 | 8 | 141 | BD | None | None |
| **25-4031** | Library Technicians | 573 | 568 | -5 | -0.87% | 49 | 32 | -2 | 79 | PS | None | None |
| ***25-9000*** | ***Other Education, Training, and Library Occupations*** | ***16,688*** | ***16,698*** | ***10*** | ***0.06%*** | ***793*** | ***700*** | ***5*** | ***1,498*** |  |  |  |
| **25-9021** | Farm and Home Management Advisors | 207 | 201 | -6 | -2.90% | 8 | 8 | -3 | 13 | MD | None | None |
| **25-9031** | Instructional Coordinators | 1,656 | 1,664 | 8 | 0.48% | 70 | 68 | 4 | 142 | MD | 5+ | None |
| **25-9044** | Teaching Assistants, Postsecondary | 3,433 | 3,437 | 4 | 0.12% | 128 | 127 | 2 | 257 | BD | None | None |
| **25-9045** | Teaching Assistants, Except Postsecondary | 11,226 | 11,225 | -1 | -0.01% | 580 | 490 | 0 | 1,070 | SC | None | None |
| **25-9099** | Education, Training, and Library Workers, All Other | 166 | 171 | 5 | 3.01% | 7 | 7 | 2 | 16 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **27-0000** | **ARTS, DESIGN, ENTERTAINMENT, SPORTS, AND MEDIA**  **OCCUPATIONS** | **18,237** | **17,964** | **-273** | **-1.50%** | **730** | **1,029** | **-136** | **1,623** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***27-1000*** | ***Art and Design Workers*** | ***4,790*** | ***4,767*** | ***-23*** | ***-0.48%*** | ***156*** | ***259*** | ***-12*** | ***403*** |  |  |  |
| **27-1011** | Art Directors | 245 | 246 | 1 | 0.41% | 12 | 12 | 0 | 24 | BD | 5+ | None |
| **27-1014** | Multimedia Artists and Animators | 170 | 172 | 2 | 1.18% | 8 | 8 | 1 | 17 | BD | None | None |
| **27-1021** | Commercial and Industrial Designers | 144 | 141 | -3 | -2.08% | 4 | 8 | -2 | 10 | BD | None | None |
| **27-1022** | Fashion Designers | 47 | 50 | 3 | 6.38% | 2 | 2 | 2 | 6 | BD | None | None |
| **27-1023** | Floral Designers | 415 | 396 | -19 | -4.58% | 12 | 22 | -10 | 24 | HS | None | MTOJT |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **27-1024** | Graphic Designers | 1,584 | 1,560 | -24 | -1.52% | 48 | 86 | -12 | 122 | BD | None | None |
| **27-1025** | Interior Designers | 426 | 429 | 3 | 0.70% | 13 | 24 | 2 | 39 | BD | None | None |
| **27-1027** | Set and Exhibit Designers | 36 | 37 | 1 | 2.78% | 1 | 2 | 0 | 3 | BD | None | None |
| ***27-2000*** | ***Entertainers and Performers, Sports and Related Workers*** | ***5,796*** | ***5,695*** | ***-101*** | ***-1.74%*** | ***307*** | ***348*** | ***-50*** | ***605*** |  |  |  |
| **27-2011** | Actors | 60 | 56 | -4 | -6.67% | 2 | 4 | -2 | 4 | SC | None | LTOJT |
| **27-2012** | Producers and Directors | 557 | 516 | -41 | -7.36% | 10 | 33 | -20 | 23 | BD | <5 | None |
| **27-2021** | Athletes and Sports Competitors | 266 | 210 | -56 | -21.05% | 14 | 18 | -28 | 4 | NFE | None | LTOJT |
| **27-2022** | Coaches and Scouts | 1,579 | 1,547 | -32 | -2.03% | 93 | 118 | -16 | 195 | BD | None | None |
| **27-2041** | Music Directors and Composers | 1,819 | 1,854 | 35 | 1.92% | 103 | 93 | 18 | 214 | BD | <5 | None |
| **27-2042** | Musicians and Singers | 1,298 | 1,316 | 18 | 1.39% | 74 | 66 | 9 | 149 | NFE | None | LTOJT |
| **27-2090** | Miscellaneous Entertainers and Performers, Sports and Related Workers | 48 | 45 | -3 | -6.25% | 2 | 2 | -2 | 2 | NFE | None | STOJT |
| ***27-3000*** | ***Media and Communication Workers*** | ***6,032*** | ***5,950*** | ***-82*** | ***-1.36%*** | ***212*** | ***334*** | ***-41*** | ***505*** |  |  |  |
| **27-3011** | Radio and Television Announcers | 386 | 364 | -22 | -5.70% | 14 | 22 | -11 | 25 | BD | None | None |
| **27-3023** | News Analysts, Reporters, and Journalists | 347 | 303 | -44 | -12.68% | 9 | 23 | -22 | 10 | BD | None | None |
| **27-3031** | Public Relations Specialists | 1,428 | 1,471 | 43 | 3.01% | 38 | 90 | 22 | 150 | BD | None | None |
| **27-3041** | Editors | 397 | 353 | -44 | -11.08% | 11 | 24 | -22 | 13 | BD | <5 | None |
| **27-3042** | Technical Writers | 229 | 238 | 9 | 3.93% | 8 | 13 | 4 | 25 | BD | <5 | STOJT |
| **27-3043** | Writers and Authors | 2,596 | 2,584 | -12 | -0.46% | 107 | 131 | -6 | 232 | BD | None | LTOJT |
| **27-3091** | Interpreters and Translators | 319 | 328 | 9 | 2.82% | 13 | 14 | 4 | 31 | BD | None | None |
| ***27-4000*** | ***Media and Communication Equipment Workers*** | ***1,619*** | ***1,552*** | ***-67*** | ***-4.14%*** | ***55*** | ***88*** | ***-34*** | ***109*** |  |  |  |
| **27-4011** | Audio and Video Equipment Technicians | 219 | 206 | -13 | -5.94% | 7 | 14 | -6 | 15 | PS | None | STOJT |
| **27-4012** | Broadcast Technicians | 259 | 247 | -12 | -4.63% | 8 | 17 | -6 | 19 | AD | None | STOJT |
| **27-4021** | Photographers | 915 | 897 | -18 | -1.97% | 34 | 45 | -9 | 70 | HS | None | MTOJT |
| **27-4031** | Camera Operators, Television, Video, and Motion Picture | 121 | 109 | -12 | -9.92% | 3 | 6 | -6 | 3 | BD | None | None |
| **27-4032** | Film and Video Editors | 65 | 57 | -8 | -12.31% | 2 | 4 | -4 | 2 | BD | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **29-0000** | **HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS** | **85,006** | **86,019** | **1,013** | **1.19%** | **2,212** | **2,284** | **506** | **5,002** |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***29-1000*** | ***Health Diagnosing and Treating***  ***Practitioners*** | ***52,058*** | ***52,774*** | ***716*** | ***1.38%*** | ***1,264*** | ***1,062*** | ***358*** | ***2,684*** |  |  |  |
| **29-1011** | Chiropractors | 374 | 365 | -9 | -2.41% | 5 | 3 | -4 | 4 | DD | None | None |
| **29-1021** | Dentists, General | 969 | 982 | 13 | 1.34% | 20 | 8 | 6 | 34 | DD | None | None |
| **29-1029** | Dentists, All Other Specialists | 35 | 37 | 2 | 5.71% | 0 | 0 | 1 | 1 | DD | None | I/R |
| **29-1031** | Dietitians and Nutritionists | 622 | 624 | 2 | 0.32% | 20 | 17 | 1 | 38 | BD | None | I/R |
| **29-1041** | Optometrists | 386 | 377 | -9 | -2.33% | 7 | 4 | -4 | 7 | DD | None | None |
| **29-1051** | Pharmacists | 3,169 | 3,151 | -18 | -0.57% | 66 | 56 | -9 | 113 | DD | None | None |
| **29-1071** | Physician Assistants | 535 | 565 | 30 | 5.61% | 8 | 20 | 15 | 43 | MD | None | None |
| **29-1081** | Podiatrists | 71 | 69 | -2 | -2.82% | 2 | 2 | -1 | 3 | DD | None | I/R |
| **29-1122** | Occupational Therapists | 1,310 | 1,321 | 11 | 0.84% | 30 | 38 | 6 | 74 | MD | None | None |
| **29-1123** | Physical Therapists | 2,260 | 2,276 | 16 | 0.71% | 42 | 42 | 8 | 92 | DD | None | None |
| **29-1124** | Radiation Therapists | 153 | 156 | 3 | 1.96% | 3 | 4 | 2 | 9 | AD | None | None |
| **29-1125** | Recreational Therapists | 44 | 45 | 1 | 2.27% | 1 | 1 | 0 | 2 | BD | None | None |
| **29-1126** | Respiratory Therapists | 1,609 | 1,655 | 46 | 2.86% | 38 | 33 | 23 | 94 | AD | None | None |
| **29-1127** | Speech-Language Pathologists | 2,108 | 2,173 | 65 | 3.08% | 46 | 66 | 32 | 144 | MD | None | I/R |
| **29-1128** | Exercise Physiologists | 54 | 55 | 1 | 1.85% | 2 | 2 | 0 | 4 | BD | None | None |
| **29-1129** | Therapists, All Other | 202 | 206 | 4 | 1.98% | 6 | 6 | 2 | 14 | BD | None | None |
| **29-1131** | Veterinarians | 564 | 574 | 10 | 1.77% | 10 | 8 | 5 | 23 | DD | None | None |
| **29-1141** | Registered Nurses | 26,495 | 26,664 | 169 | 0.64% | 720 | 553 | 84 | 1,357 | BD | None | None |
| **29-1151** | Nurse Anesthetists | 371 | 377 | 6 | 1.62% | 7 | 11 | 3 | 21 | MD | None | None |
| **29-1171** | Nurse Practitioners | 2,714 | 2,980 | 266 | 9.80% | 59 | 82 | 133 | 274 | MD | None | None |
| **29-1181** | Audiologists | 208 | 210 | 2 | 0.96% | 5 | 4 | 1 | 10 | DD | None | None |
| **29-1215** | Family Medicine Physicians | 1,499 | 1,528 | 29 | 1.93% | 24 | 16 | 14 | 54 | DD | None | I/R |
| **29-1216** | General Internal Medicine Physicians | 143 | 143 | 0 | 0.00% | 2 | 2 | 0 | 4 | DD | None | I/R |
| **29-1218** | Obstetricians and Gynecologists | 85 | 85 | 0 | 0.00% | 2 | 1 | 0 | 3 | DD | None | I/R |
| **29-1221** | Pediatricians, General | 109 | 110 | 1 | 0.92% | 2 | 1 | 0 | 3 | DD | None | I/R |
| **29-1223** | Psychiatrists | 171 | 174 | 3 | 1.75% | 3 | 2 | 2 | 7 | DD | None | I/R |
| **29-1228** | Physicians, All Other; and Ophthalmologists, Except Pediatric | 3,478 | 3,513 | 35 | 1.01% | 56 | 38 | 18 | 112 | DD | None | I/R |
| **29-1248** | Surgeons, Except Ophthalmologists | 184 | 184 | 0 | 0.00% | 3 | 2 | 0 | 5 | DD | None | I/R |
| **29-1292** | Dental Hygienists | 1,557 | 1,595 | 38 | 2.44% | 60 | 33 | 19 | 112 | AD | None | None |
| **29-1298** | Acupuncturists and Healthcare  Diagnosing or Treating Practitioners, All Other | 322 | 321 | -1 | -0.31% | 10 | 4 | 0 | 14 | MD | None | None |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***29-2000*** | ***Health Technologists and Technicians*** | ***32,147*** | ***32,441*** | ***294*** | ***0.91%*** | ***931*** | ***1,198*** | ***147*** | ***2,276*** |  |  |  |
| **29-2010** | Clinical Laboratory Technologists and Technicians | 2,464 | 2,480 | 16 | 0.65% | 64 | 71 | 8 | 143 | BD | None | None |
| **29-2031** | Cardiovascular Technologists and Technicians | 553 | 553 | 0 | 0.00% | 13 | 14 | 0 | 27 | AD | None | None |
| **29-2032** | Diagnostic Medical Sonographers | 430 | 440 | 10 | 2.33% | 10 | 10 | 5 | 25 | AD | None | None |
| **29-2033** | Nuclear Medicine Technologists | 215 | 215 | 0 | 0.00% | 5 | 5 | 0 | 10 | AD | None | None |
| **29-2034** | Radiologic Technologists | 2,357 | 2,386 | 29 | 1.23% | 56 | 58 | 14 | 128 | AD | None | None |
| **29-2035** | Magnetic Resonance Imaging Technologists | 332 | 333 | 1 | 0.30% | 8 | 8 | 0 | 16 | AD | <5 | None |
| **29-2040** | Emergency Medical Technicians and Paramedics | 1,833 | 1,873 | 40 | 2.18% | 31 | 75 | 20 | 126 | PS | None | None |
| **29-2051** | Dietetic Technicians | 107 | 108 | 1 | 0.93% | 3 | 5 | 0 | 8 | AD | None | None |
| **29-2052** | Pharmacy Technicians | 4,799 | 4,862 | 63 | 1.31% | 137 | 220 | 32 | 389 | HS | None | MTOJT |
| **29-2053** | Psychiatric Technicians | 834 | 865 | 31 | 3.72% | 24 | 39 | 16 | 79 | PS | <5 | STOJT |
| **29-2055** | Surgical Technologists | 1,346 | 1,352 | 6 | 0.45% | 38 | 62 | 3 | 103 | PS | None | None |
| **29-2056** | Veterinary Technologists and Technicians | 452 | 458 | 6 | 1.33% | 13 | 21 | 3 | 37 | AD | None | None |
| **29-2057** | Ophthalmic Medical Technicians | 457 | 464 | 7 | 1.53% | 13 | 21 | 4 | 38 | PS | None | None |
| **29-2061** | Licensed Practical and Licensed Vocational Nurses | 12,209 | 12,262 | 53 | 0.43% | 398 | 442 | 26 | 866 | PS | None | None |
| **29-2081** | Opticians, Dispensing | 694 | 688 | -6 | -0.86% | 28 | 20 | -3 | 45 | HS | None | LTOJT |
| **29-2098** | Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All  Other | 2,934 | 2,968 | 34 | 1.16% | 84 | 122 | 17 | 223 | PS | None | None |
| ***29-9000*** | ***Other Healthcare Practitioners and Technical Occupations*** | ***801*** | ***804*** | ***3*** | ***0.37%*** | ***16*** | ***24*** | ***2*** | ***42*** |  |  |  |
| **29-9098** | Health Information Technologists, Medical Registrars, Surgical Assistants, & Healthcare  Practitioners, AO | 563 | 568 | 5 | 0.89% | 12 | 16 | 2 | 30 | PS | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **31-0000** | **HEALTHCARE SUPPORT OCCUPATIONS** | **55,580** | **55,714** | **134** | **0.24%** | **3,030** | **2,926** | **67** | **6,023** |  |  |  |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***31-1000*** | ***Nursing, Psychiatric, and Home***  ***Health Aides*** | ***42,485*** | ***42,373*** | ***-112*** | ***-0.26%*** | ***2,460*** | ***2,117*** | ***-56*** | ***4,521*** |  |  |  |
| **31-1120** | Home Health and Personal Care Aides | 22,842 | 22,863 | 21 | 0.09% | 1,410 | 1,165 | 10 | 2,585 | HS | None | STOJT |
| **31-1131** | Nursing Assistants | 18,760 | 18,621 | -139 | -0.74% | 1,002 | 909 | -70 | 1,841 | PS | None | None |
| **31-1132** | Orderlies | 572 | 575 | 3 | 0.52% | 31 | 28 | 2 | 61 | HS | None | STOJT |
| **31-1133** | Psychiatric Aides | 311 | 314 | 3 | 0.96% | 17 | 15 | 2 | 34 | HS | None | STOJT |
| ***31-2000*** | ***Occupational Therapy and Physical Therapist Assistants and***  ***Aides*** | ***2,045*** | ***2,090*** | ***45*** | ***2.20%*** | ***83*** | ***128*** | ***22*** | ***233*** |  |  |  |
| **31-2011** | Occupational Therapy Assistants | 342 | 354 | 12 | 3.51% | 16 | 18 | 6 | 40 | AD | None | None |
| **31-2021** | Physical Therapist Assistants | 1,364 | 1,397 | 33 | 2.42% | 54 | 89 | 16 | 159 | AD | None | None |
| ***31-9000*** | ***Other Healthcare Support Occupations*** | ***11,050*** | ***11,251*** | ***201*** | ***1.82%*** | ***488*** | ***681*** | ***100*** | ***1,269*** |  |  |  |
| **31-9011** | Massage Therapists | 671 | 666 | -5 | -0.75% | 38 | 29 | -2 | 65 | PS | None | None |
| **31-9091** | Dental Assistants | 2,756 | 2,822 | 66 | 2.39% | 120 | 160 | 33 | 313 | PS | None | None |
| **31-9092** | Medical Assistants | 3,986 | 4,099 | 113 | 2.83% | 154 | 246 | 56 | 456 | PS | None | None |
| **31-9093** | Medical Equipment Preparers | 318 | 320 | 2 | 0.63% | 17 | 17 | 1 | 35 | HS | None | MTOJT |
| **31-9094** | Medical Transcriptionists | 543 | 539 | -4 | -0.74% | 30 | 36 | -2 | 64 | PS | None | None |
| **31-9095** | Pharmacy Aides | 223 | 211 | -12 | -5.38% | 10 | 14 | -6 | 18 | HS | None | STOJT |
| **31-9096** | Veterinary Assistants and Laboratory Animal Caretakers | 980 | 995 | 15 | 1.53% | 48 | 93 | 8 | 149 | HS | None | STOJT |
| **31-9097** | Phlebotomists | 889 | 918 | 29 | 3.26% | 34 | 51 | 14 | 99 | PS | None | None |
| **31-9099** | Healthcare Support Workers, All Other | 684 | 681 | -3 | -0.44% | 36 | 36 | -2 | 70 | HS | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **33-0000** | **PROTECTIVE SERVICE OCCUPATIONS** | **28,324** | **28,610** | **286** | **1.01%** | **1,132** | **1,460** | **143** | **2,735** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***33-1000*** | ***Supervisors of Protective Service Workers*** | ***4,149*** | ***4,245*** | ***96*** | ***2.31%*** | ***112*** | ***160*** | ***48*** | ***320*** |  |  |  |
| **33-1011** | First-Line Supervisors of Correctional Officers | 537 | 537 | 0 | 0.00% | 16 | 20 | 0 | 36 | HS | <5 | None |
| **33-1012** | First-Line Supervisors of Police and Detectives | 1,801 | 1,854 | 53 | 2.94% | 44 | 64 | 26 | 134 | HS | <5 | MTOJT |
| **33-1021** | First-Line Supervisors of Fire Fighting and Prevention Workers | 1,085 | 1,123 | 38 | 3.50% | 25 | 38 | 19 | 82 | PS | <5 | MTOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **33-1090** | Miscellaneous First-Line Supervisors, Protective Service Workers | 726 | 731 | 5 | 0.69% | 27 | 38 | 2 | 67 | HS | <5 | None |
| ***33-2000*** | ***Fire Fighting and Prevention Workers*** | ***2,759*** | ***2,846*** | ***87*** | ***3.15%*** | ***64*** | ***122*** | ***44*** | ***230*** |  |  |  |
| **33-2011** | Firefighters | 2,532 | 2,613 | 81 | 3.20% | 52 | 112 | 40 | 204 | PS | None | LTOJT |
| **33-2021** | Fire Inspectors and Investigators | 29 | 30 | 1 | 3.45% | 2 | 2 | 0 | 4 | PS | 5+ | MTOJT |
| **33-2022** | Forest Fire Inspectors and Prevention Specialists | 198 | 203 | 5 | 2.53% | 10 | 8 | 2 | 20 | HS | <5 | MTOJT |
| ***33-3000*** | ***Law Enforcement Workers*** | ***12,862*** | ***12,959*** | ***97*** | ***0.75%*** | ***403*** | ***564*** | ***48*** | ***1,015*** |  |  |  |
| **33-3011** | Bailiffs | 37 | 38 | 1 | 2.70% | 2 | 2 | 0 | 4 | HS | None | MTOJT |
| **33-3012** | Correctional Officers and Jailers | 5,799 | 5,717 | -82 | -1.41% | 230 | 262 | -41 | 451 | HS | None | MTOJT |
| **33-3021** | Detectives and Criminal Investigators | 487 | 499 | 12 | 2.46% | 12 | 20 | 6 | 38 | HS | <5 | MTOJT |
| **33-3041** | Parking Enforcement Workers | 27 | 25 | -2 | -7.41% | 1 | 1 | -1 | 1 | HS | None | STOJT |
| **33-3051** | Police and Sheriff's Patrol Officers | 6,297 | 6,468 | 171 | 2.72% | 153 | 272 | 86 | 511 | HS | None | MTOJT |
| ***33-9000*** | ***Other Protective Service Workers*** | ***8,554*** | ***8,560*** | ***6*** | ***0.07%*** | ***552*** | ***614*** | ***3*** | ***1,169*** |  |  |  |
| **33-9011** | Animal Control Workers | 171 | 176 | 5 | 2.92% | 8 | 8 | 2 | 18 | HS | None | MTOJT |
| **33-9021** | Private Detectives and Investigators | 162 | 165 | 3 | 1.85% | 4 | 8 | 2 | 14 | HS | <5 | MTOJT |
| **33-9032** | Security Guards | 6,648 | 6,647 | -1 | -0.02% | 336 | 456 | 0 | 792 | HS | None | STOJT |
| **33-9092** | Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers | 577 | 588 | 11 | 1.91% | 83 | 58 | 6 | 147 | NFE | None | STOJT |
| **33-9093** | Transportation Security Screeners | 172 | 175 | 3 | 1.74% | 7 | 8 | 2 | 17 | HS | None | STOJT |
| **33-9098** | School Bus Monitors and Protective Service Workers, All Other | 714 | 695 | -19 | -2.66% | 100 | 70 | -10 | 160 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **35-0000** | **FOOD PREPARATION AND SERVING RELATED**  **OCCUPATIONS** | **110,587** | **101,991** | **-8,596** | **-7.77%** | **7,743** | **9,462** | **-4,298** | **12,907** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***35-1000*** | ***Supervisors of Food Preparation and Serving Workers*** | ***12,896*** | ***11,875*** | ***-1,021*** | ***-7.92%*** | ***544*** | ***1,144*** | ***-510*** | ***1,178*** |  |  |  |
| **35-1011** | Chefs and Head Cooks | 410 | 385 | -25 | -6.10% | 12 | 34 | -12 | 34 | HS | 5+ | None |
| **35-1012** | First-Line Supervisors of Food Preparation and Serving Workers | 12,486 | 11,490 | -996 | -7.98% | 532 | 1,110 | -498 | 1,144 | HS | <5 | None |
| ***35-2000*** | ***Cooks and Food Preparation Workers*** | ***27,183*** | ***25,564*** | ***-1,619*** | ***-5.96%*** | ***1,490*** | ***2,035*** | ***-810*** | ***2,715*** |  |  |  |
| **35-2011** | Cooks, Fast Food | 3,930 | 3,452 | -478 | -12.16% | 198 | 279 | -239 | 238 | NFE | None | STOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **35-2012** | Cooks, Institution and Cafeteria | 7,332 | 7,160 | -172 | -2.35% | 389 | 548 | -86 | 851 | NFE | None | STOJT |
| **35-2013** | Cooks, Private Household | 210 | 204 | -6 | -2.86% | 11 | 16 | -3 | 24 | PS | <5 | None |
| **35-2014** | Cooks, Restaurant | 10,870 | 10,204 | -666 | -6.13% | 566 | 797 | -333 | 1,030 | NFE | <5 | MTOJT |
| **35-2015** | Cooks, Short Order | 565 | 521 | -44 | -7.79% | 29 | 41 | -22 | 48 | NFE | None | STOJT |
| **35-2021** | Food Preparation Workers | 3,966 | 3,709 | -257 | -6.48% | 280 | 331 | -128 | 483 | NFE | None | STOJT |
| ***35-3000*** | ***Food and Beverage Serving Workers*** | ***62,489*** | ***57,286*** | ***-5,203*** | ***-8.33%*** | ***5,045*** | ***5,660*** | ***-2,602*** | ***8,103*** |  |  |  |
| **35-3011** | Bartenders | 1,944 | 1,714 | -230 | -11.83% | 80 | 204 | -115 | 169 | NFE | None | STOJT |
| **35-3023** | Fast Food and Counter Workers | 40,394 | 37,251 | -3,143 | -7.78% | 3,622 | 3,460 | -1,572 | 5,510 | NFE | None | STOJT |
| **35-3031** | Waiters and Waitresses | 19,175 | 17,378 | -1,797 | -9.37% | 1,270 | 1,928 | -898 | 2,300 | NFE | None | STOJT |
| **35-3041** | Food Servers, Nonrestaurant | 976 | 943 | -33 | -3.38% | 72 | 68 | -16 | 124 | NFE | None | STOJT |
| ***35-9000*** | ***Other Food Preparation and Serving Related Workers*** | ***8,019*** | ***7,266*** | ***-753*** | ***-9.39%*** | ***664*** | ***624*** | ***-376*** | ***912*** |  |  |  |
| **35-9011** | Dining Room and Cafeteria Attendants and Bartender Helpers | 2,229 | 2,021 | -208 | -9.33% | 174 | 162 | -104 | 232 | NFE | None | STOJT |
| **35-9021** | Dishwashers | 3,324 | 2,985 | -339 | -10.20% | 238 | 228 | -170 | 296 | NFE | None | STOJT |
| **35-9031** | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop | 2,177 | 1,986 | -191 | -8.77% | 229 | 211 | -96 | 344 | NFE | None | STOJT |
| **35-9099** | Food Preparation and Serving Related Workers, All Other | 289 | 274 | -15 | -5.19% | 23 | 22 | -8 | 37 | NFE | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **37-0000** | **BUILDING AND GROUNDS CLEANING AND MAINTENANCE OCCUPATIONS** | **48,431** | **48,461** | **30** | **0.06%** | **2,742** | **3,041** | **15** | **5,798** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***37-1000*** | ***Supervisors of Building and***  ***Grounds Cleaning and Maintenance Workers*** | ***4,225*** | ***4,304*** | ***79*** | ***1.87%*** | ***166*** | ***257*** | ***40*** | ***463*** |  |  |  |
| **37-1011** | First-Line Supervisors of Housekeeping and Janitorial Workers | 2,485 | 2,505 | 20 | 0.80% | 106 | 151 | 10 | 267 | HS | <5 | None |
| **37-1012** | First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers | 1,740 | 1,799 | 59 | 3.39% | 60 | 106 | 30 | 196 | HS | <5 | None |
| ***37-2000*** | ***Building Cleaning and Pest Control***  ***Workers*** | ***34,959*** | ***34,666*** | ***-293*** | ***-0.84%*** | ***2,180*** | ***2,079*** | ***-146*** | ***4,113*** |  |  |  |
| **37-2011** | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 20,026 | 20,250 | 224 | 1.12% | 1,230 | 1,219 | 112 | 2,561 | NFE | None | STOJT |
| **37-2012** | Maids and Housekeeping Cleaners | 11,612 | 10,983 | -629 | -5.42% | 781 | 615 | -314 | 1,082 | NFE | None | STOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **37-2019** | Building Cleaning Workers, All Other | 2,161 | 2,210 | 49 | 2.27% | 134 | 132 | 24 | 290 | NFE | None | STOJT |
| **37-2021** | Pest Control Workers | 1,160 | 1,223 | 63 | 5.43% | 36 | 112 | 32 | 180 | HS | None | MTOJT |
| ***37-3000*** | ***Grounds Maintenance Workers*** | ***9,247*** | ***9,491*** | ***244*** | ***2.64%*** | ***397*** | ***705*** | ***122*** | ***1,224*** |  |  |  |
| **37-3011** | Landscaping and Groundskeeping Workers | 8,247 | 8,461 | 214 | 2.59% | 354 | 629 | 107 | 1,090 | NFE | None | STOJT |
| **37-3012** | Pesticide Handlers, Sprayers, and Applicators, Vegetation | 342 | 352 | 10 | 2.92% | 14 | 26 | 5 | 45 | HS | None | MTOJT |
| **37-3013** | Tree Trimmers and Pruners | 432 | 449 | 17 | 3.94% | 18 | 33 | 8 | 59 | HS | None | STOJT |
| **37-3019** | Grounds Maintenance Workers, All Other | 226 | 229 | 3 | 1.33% | 10 | 17 | 2 | 29 | NFE | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **39-0000** | **PERSONAL CARE AND SERVICE OCCUPATIONS** | **31,283** | **30,610** | **-673** | **-2.15%** | **2,130** | **2,177** | **-336** | **3,971** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***39-1000*** | ***Supervisors of Personal Care and Service Workers*** | ***2,057*** | ***1,991*** | ***-66*** | ***-3.21%*** | ***82*** | ***94*** | ***-33*** | ***143*** |  |  |  |
| ***39-2000*** | ***Animal Care and Service Workers*** | ***3,877*** | ***3,893*** | ***16*** | ***0.41%*** | ***248*** | ***293*** | ***8*** | ***549*** |  |  |  |
| **39-2011** | Animal Trainers | 1,036 | 1,042 | 6 | 0.58% | 58 | 76 | 3 | 137 | HS | None | MTOJT |
| **39-2021** | Nonfarm Animal Caretakers | 2,841 | 2,851 | 10 | 0.35% | 190 | 218 | 5 | 413 | HS | None | STOJT |
| ***39-3000*** | ***Entertainment Attendants and Related Workers*** | ***3,147*** | ***2,761*** | ***-386*** | ***-12.27%*** | ***320*** | ***332*** | ***-193*** | ***459*** |  |  |  |
| **39-3031** | Ushers, Lobby Attendants, and Ticket Takers | 1,058 | 618 | -440 | -41.59% | 110 | 110 | -220 | 0 | NFE | None | STOJT |
| **39-3091** | Amusement and Recreation Attendants | 1,846 | 1,851 | 5 | 0.27% | 186 | 197 | 2 | 385 | NFE | None | STOJT |
| **39-3093** | Locker Room, Coatroom, and Dressing Room Attendants | 119 | 117 | -2 | -1.68% | 12 | 12 | -1 | 23 | HS | None | STOJT |
| ***39-4000*** | ***Funeral Service Workers*** | ***814*** | ***800*** | ***-14*** | ***-1.72%*** | ***56*** | ***48*** | ***-7*** | ***97*** |  |  |  |
| **39-4011** | Embalmers | 100 | 97 | -3 | -3.00% | 9 | 6 | -2 | 13 | AD | None | LTOJT |
| **39-4021** | Funeral Attendants | 296 | 290 | -6 | -2.03% | 28 | 17 | -3 | 42 | HS | None | STOJT |
| **39-4031** | Morticians, Undertakers, and Funeral Directors | 418 | 413 | -5 | -1.20% | 20 | 25 | -2 | 43 | AD | None | LTOJT |
| ***39-5000*** | ***Personal Appearance Workers*** | ***4,235*** | ***4,213*** | ***-22*** | ***-0.52%*** | ***238*** | ***220*** | ***-11*** | ***447*** |  |  |  |
| **39-5012** | Hairdressers, Hairstylists, and Cosmetologists | 3,350 | 3,312 | -38 | -1.13% | 194 | 176 | -19 | 351 | PS | None | None |
| **39-5092** | Manicurists and Pedicurists | 155 | 160 | 5 | 3.23% | 8 | 8 | 2 | 18 | PS | None | None |
| **39-5094** | Skincare Specialists | 261 | 269 | 8 | 3.07% | 14 | 12 | 4 | 30 | PS | None | None |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***39-6000*** | ***Baggage Porters, Bellhops, and Concierges*** | ***171*** | ***155*** | ***-16*** | ***-9.36%*** | ***9*** | ***12*** | ***-8*** | ***13*** |  |  |  |
| **39-6011** | Baggage Porters and Bellhops | 146 | 130 | -16 | -10.96% | 8 | 10 | -8 | 10 | HS | None | STOJT |
| **39-6012** | Concierges | 25 | 25 | 0 | 0.00% | 2 | 2 | 0 | 4 | HS | None | MTOJT |
| ***39-7000*** | ***Tour and Travel Guides*** | ***204*** | ***211*** | ***7*** | ***3.43%*** | ***16*** | ***18*** | ***4*** | ***38*** |  |  |  |
| **39-7010** | Tour and Travel Guides | 204 | 211 | 7 | 3.43% | 16 | 18 | 4 | 38 | HS | None | MTOJT |
| ***39-9000*** | ***Other Personal Care and Service Workers*** | ***16,778*** | ***16,586*** | ***-192*** | ***-1.14%*** | ***1,162*** | ***1,160*** | ***-96*** | ***2,226*** |  |  |  |
| **39-9011** | Childcare Workers | 11,503 | 11,339 | -164 | -1.43% | 846 | 717 | -82 | 1,481 | HS | None | STOJT |
| **39-9021** | Personal Care Aides | 113 | 109 | -4 | -3.54% | 1 | 1 | -2 | 0 | HS | None | STOJT |
| **39-9031** | Fitness Trainers and Aerobics Instructors | 1,431 | 1,454 | 23 | 1.61% | 90 | 128 | 12 | 230 | HS | None | STOJT |
| **39-9032** | Recreation Workers | 2,206 | 2,153 | -53 | -2.40% | 135 | 194 | -26 | 303 | HS | None | STOJT |
| **39-9041** | Residential Advisors | 1,144 | 1,154 | 10 | 0.87% | 66 | 95 | 5 | 166 | HS | None | STOJT |
| **39-9098** | Crematory Operators and Personal Care and Service Workers, All Other | 381 | 377 | -4 | -1.05% | 23 | 26 | -2 | 47 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **41-0000** | **SALES AND RELATED OCCUPATIONS** | **135,958** | **134,339** | **-1,619** | **-1.19%** | **6,930** | **9,498** | **-810** | **15,618** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***41-1000*** | ***Supervisors of Sales Workers*** | ***19,586*** | ***19,173*** | ***-413*** | ***-2.11%*** | ***643*** | ***1,175*** | ***-206*** | ***1,612*** |  |  |  |
| **41-1011** | First-Line Supervisors of Retail Sales Workers | 15,563 | 15,201 | -362 | -2.33% | 524 | 966 | -181 | 1,309 | HS | <5 | None |
| **41-1012** | First-Line Supervisors of Non-Retail Sales Workers | 4,023 | 3,972 | -51 | -1.27% | 119 | 210 | -26 | 303 | HS | <5 | None |
| ***41-2000*** | ***Retail Sales Workers*** | ***74,831*** | ***73,110*** | ***-1,721*** | ***-2.30%*** | ***4,839*** | ***5,728*** | ***-860*** | ***9,707*** |  |  |  |
| **41-2011** | Cashiers | 28,567 | 28,018 | -549 | -1.92% | 2,383 | 2,390 | -274 | 4,499 | NFE | None | STOJT |
| **41-2021** | Counter and Rental Clerks | 4,599 | 4,626 | 27 | 0.59% | 206 | 292 | 14 | 512 | NFE | None | STOJT |
| **41-2031** | Retail Salespersons | 38,185 | 36,892 | -1,293 | -3.39% | 2,104 | 2,810 | -646 | 4,268 | NFE | None | STOJT |
| ***41-3000*** | ***Sales Representatives, Services*** | ***18,460*** | ***18,583*** | ***123*** | ***0.67%*** | ***576*** | ***1,138*** | ***62*** | ***1,776*** |  |  |  |
| **41-3011** | Advertising Sales Agents | 1,099 | 1,038 | -61 | -5.55% | 31 | 91 | -30 | 92 | HS | None | MTOJT |
| **41-3021** | Insurance Sales Agents | 10,477 | 10,782 | 305 | 2.91% | 354 | 536 | 152 | 1,042 | HS | None | MTOJT |
| **41-3031** | Securities, Commodities, and Financial Services Sales Agents | 1,710 | 1,761 | 51 | 2.98% | 41 | 101 | 26 | 168 | BD | None | MTOJT |
| **41-3041** | Travel Agents | 239 | 160 | -79 | -33.05% | 20 | 20 | -40 | 0 | HS | None | MTOJT |
| **41-3091** | Sales Representatives of Services,  Except Advertising, Insurance, Financial Services, and Travel | 4,935 | 4,842 | -93 | -1.88% | 130 | 390 | -46 | 474 | HS | None | MTOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***41-4000*** | ***Sales Representatives, Wholesale and Manufacturing*** | ***14,621*** | ***14,888*** | ***267*** | ***1.83%*** | ***434*** | ***890*** | ***134*** | ***1,458*** |  |  |  |
| **41-4011** | Sales Representatives, Wholesale and Manufacturing, Technical and  Scientific Products | 1,988 | 2,037 | 49 | 2.46% | 59 | 122 | 24 | 205 | BD | None | MTOJT |
| **41-4012** | Sales Representatives, Wholesale and Manufacturing, Except Technical  and Scientific Products | 12,633 | 12,851 | 218 | 1.73% | 374 | 768 | 109 | 1,251 | HS | None | MTOJT |
| ***41-9000*** | ***Other Sales and Related Workers*** | ***8,460*** | ***8,585*** | ***125*** | ***1.48%*** | ***439*** | ***566*** | ***62*** | ***1,067*** |  |  |  |
| **41-9021** | Real Estate Brokers | 666 | 678 | 12 | 1.80% | 28 | 28 | 6 | 62 | HS | <5 | None |
| **41-9022** | Real Estate Sales Agents | 2,042 | 2,065 | 23 | 1.13% | 85 | 85 | 12 | 182 | HS | None | MTOJT |
| **41-9031** | Sales Engineers | 227 | 230 | 3 | 1.32% | 4 | 17 | 2 | 23 | BD | None | MTOJT |
| **41-9041** | Telemarketers | 2,373 | 2,438 | 65 | 2.74% | 100 | 229 | 32 | 361 | NFE | None | STOJT |
| **41-9091** | Door-to-Door Sales Workers, News and Street Vendors, and Related  Workers | 221 | 208 | -13 | -5.88% | 15 | 10 | -6 | 19 | NFE | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **43-0000** | **OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS** | **165,319** | **164,602** | **-717** | **-0.43%** | **7,838** | **9,314** | **-358** | **16,794** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***43-1000*** | ***Supervisors of Office and Administrative Support Workers*** | ***14,497*** | ***14,484*** | ***-13*** | ***-0.09%*** | ***537*** | ***817*** | ***-6*** | ***1,348*** |  |  |  |
| **43-1011** | First-Line Supervisors of Office and Administrative Support Workers | 14,497 | 14,484 | -13 | -0.09% | 537 | 817 | -6 | 1,348 | HS | <5 | None |
| ***43-2000*** | ***Communications Equipment Operators*** | ***640*** | ***627*** | ***-13*** | ***-2.03%*** | ***30*** | ***34*** | ***-6*** | ***58*** |  |  |  |
| **43-2011** | Switchboard Operators, Including Answering Service | 598 | 587 | -11 | -1.84% | 28 | 31 | -6 | 53 | HS | None | STOJT |
| ***43-3000*** | ***Financial Clerks*** | ***28,014*** | ***28,097*** | ***83*** | ***0.30%*** | ***1,408*** | ***1,490*** | ***42*** | ***2,940*** |  |  |  |
| **43-3011** | Bill and Account Collectors | 2,500 | 2,566 | 66 | 2.64% | 90 | 178 | 33 | 301 | HS | None | MTOJT |
| **43-3021** | Billing and Posting Clerks | 3,759 | 3,791 | 32 | 0.85% | 152 | 212 | 16 | 380 | HS | None | MTOJT |
| **43-3031** | Bookkeeping, Accounting, and Auditing Clerks | 13,722 | 13,652 | -70 | -0.51% | 823 | 622 | -35 | 1,410 | SC | None | MTOJT |
| **43-3051** | Payroll and Timekeeping Clerks | 1,230 | 1,230 | 0 | 0.00% | 58 | 62 | 0 | 120 | HS | None | MTOJT |
| **43-3061** | Procurement Clerks | 865 | 868 | 3 | 0.35% | 25 | 51 | 2 | 78 | HS | None | MTOJT |
| **43-3071** | Tellers | 5,636 | 5,673 | 37 | 0.66% | 249 | 345 | 18 | 612 | HS | None | STOJT |
| ***43-4000*** | ***Information and Record Clerks*** | ***43,481*** | ***43,523*** | ***42*** | ***0.10%*** | ***2,146*** | ***2,894*** | ***21*** | ***5,061*** |  |  |  |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **43-4011** | Brokerage Clerks | 136 | 139 | 3 | 2.21% | 4 | 8 | 2 | 14 | HS | None | MTOJT |
| **43-4021** | Correspondence Clerks | 21 | 21 | 0 | 0.00% | 1 | 2 | 0 | 3 | HS | None | STOJT |
| **43-4031** | Court, Municipal, and License Clerks | 1,058 | 1,086 | 28 | 2.65% | 49 | 46 | 14 | 109 | HS | None | LTOJT |
| **43-4041** | Credit Authorizers, Checkers, and Clerks | 124 | 127 | 3 | 2.42% | 4 | 8 | 2 | 14 | HS | None | MTOJT |
| **43-4051** | Customer Service Representatives | 16,752 | 16,894 | 142 | 0.85% | 782 | 1,222 | 71 | 2,075 | HS | None | STOJT |
| **43-4061** | Eligibility Interviewers, Government Programs | 1,607 | 1,600 | -7 | -0.44% | 64 | 77 | -4 | 137 | HS | None | MTOJT |
| **43-4071** | File Clerks | 507 | 496 | -11 | -2.17% | 28 | 28 | -6 | 50 | HS | None | STOJT |
| **43-4081** | Hotel, Motel, and Resort Desk Clerks | 2,510 | 2,192 | -318 | -12.67% | 122 | 234 | -159 | 197 | HS | None | STOJT |
| **43-4111** | Interviewers, Except Eligibility and Loan | 3,065 | 3,053 | -12 | -0.39% | 175 | 176 | -6 | 345 | HS | None | STOJT |
| **43-4121** | Library Assistants, Clerical | 620 | 625 | 5 | 0.81% | 50 | 38 | 2 | 90 | HS | None | STOJT |
| **43-4131** | Loan Interviewers and Clerks | 2,130 | 2,234 | 104 | 4.88% | 72 | 118 | 52 | 242 | HS | None | STOJT |
| **43-4141** | New Accounts Clerks | 574 | 578 | 4 | 0.70% | 23 | 34 | 2 | 59 | HS | None | MTOJT |
| **43-4151** | Order Clerks | 543 | 530 | -13 | -2.39% | 24 | 33 | -6 | 51 | SC | None | STOJT |
| **43-4161** | Human Resources Assistants, Except Payroll and Timekeeping | 837 | 828 | -9 | -1.08% | 32 | 51 | -4 | 79 | AD | None | None |
| **43-4171** | Receptionists and Information Clerks | 11,144 | 11,250 | 106 | 0.95% | 632 | 714 | 53 | 1,399 | HS | None | STOJT |
| **43-4181** | Reservation and Transportation Ticket Agents and Travel Clerks | 276 | 246 | -30 | -10.87% | 10 | 16 | -15 | 11 | HS | None | STOJT |
| **43-4199** | Information and Record Clerks, All Other | 1,577 | 1,624 | 47 | 2.98% | 73 | 91 | 24 | 188 | HS | None | STOJT |
| ***43-5000*** | ***Material Recording, Scheduling,***  ***Dispatching, and Distributing Workers*** | ***18,809*** | ***18,615*** | ***-194*** | ***-1.03%*** | ***685*** | ***893*** | ***-97*** | ***1,481*** |  |  |  |
| **43-5011** | Cargo and Freight Agents | 808 | 849 | 41 | 5.07% | 33 | 38 | 20 | 91 | HS | None | STOJT |
| **43-5021** | Couriers and Messengers | 709 | 639 | -70 | -9.87% | 28 | 32 | -35 | 25 | HS | None | STOJT |
| **43-5031** | Police, Fire, and Ambulance Dispatchers | 989 | 1,018 | 29 | 2.93% | 35 | 50 | 14 | 99 | HS | None | MTOJT |
| **43-5032** | Dispatchers, Except Police, Fire, and Ambulance | 2,189 | 2,158 | -31 | -1.42% | 76 | 110 | -16 | 170 | HS | None | MTOJT |
| **43-5051** | Postal Service Clerks | 1,082 | 1,057 | -25 | -2.31% | 46 | 32 | -12 | 66 | HS | None | STOJT |
| **43-5052** | Postal Service Mail Carriers | 3,172 | 3,101 | -71 | -2.24% | 113 | 98 | -36 | 175 | HS | None | STOJT |
| **43-5061** | Production, Planning, and Expediting Clerks | 2,819 | 2,808 | -11 | -0.39% | 98 | 165 | -6 | 257 | HS | None | MTOJT |
| **43-5071** | Shipping, Receiving, and Traffic Clerks | 5,010 | 4,931 | -79 | -1.58% | 168 | 274 | -40 | 402 | HS | None | STOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **43-5111** | Weighers, Measurers, Checkers, and Samplers, Recordkeeping | 951 | 974 | 23 | 2.42% | 42 | 51 | 12 | 105 | HS | None | STOJT |
| ***43-6000*** | ***Secretaries and Administrative Assistants*** | ***21,013*** | ***20,670*** | ***-343*** | ***-1.63%*** | ***1,071*** | ***1,054*** | ***-172*** | ***1,953*** |  |  |  |
| **43-6011** | Executive Secretaries and Executive Administrative Assistants | 2,245 | 2,171 | -74 | -3.30% | 114 | 112 | -37 | 189 | HS | <5 | None |
| **43-6012** | Legal Secretaries | 853 | 829 | -24 | -2.81% | 43 | 42 | -12 | 73 | HS | None | MTOJT |
| **43-6013** | Medical Secretaries | 2,522 | 2,542 | 20 | 0.79% | 130 | 128 | 10 | 268 | HS | None | MTOJT |
| **43-6014** | Secretaries and Administrative  Assistants, Except Legal, Medical, and Executive | 15,393 | 15,128 | -265 | -1.72% | 784 | 772 | -132 | 1,424 | HS | None | STOJT |
| ***43-9000*** | ***Other Office and Administrative Support Workers*** | ***38,865*** | ***38,586*** | ***-279*** | ***-0.72%*** | ***1,960*** | ***2,132*** | ***-140*** | ***3,952*** |  |  |  |
| **43-9021** | Data Entry Keyers | 1,464 | 1,402 | -62 | -4.23% | 61 | 82 | -31 | 112 | HS | None | STOJT |
| **43-9031** | Desktop Publishers | 31 | 29 | -2 | -6.45% | 2 | 2 | -1 | 3 | AD | None | STOJT |
| **43-9041** | Insurance Claims and Policy Processing Clerks | 5,615 | 5,721 | 106 | 1.89% | 200 | 310 | 53 | 563 | HS | None | MTOJT |
| **43-9051** | Mail Clerks and Mail Machine Operators, Except Postal Service | 393 | 379 | -14 | -3.56% | 18 | 22 | -7 | 33 | HS | None | STOJT |
| **43-9061** | Office Clerks, General | 28,538 | 28,194 | -344 | -1.21% | 1,554 | 1,546 | -172 | 2,928 | HS | None | STOJT |
| **43-9071** | Office Machine Operators, Except Computer | 243 | 243 | 0 | 0.00% | 12 | 13 | 0 | 25 | HS | None | STOJT |
| **43-9081** | Proofreaders and Copy Markers | 33 | 31 | -2 | -6.06% | 2 | 2 | -1 | 3 | BD | None | None |
| **43-9199** | Office and Administrative Support Workers, All Other | 2,310 | 2,352 | 42 | 1.82% | 98 | 142 | 21 | 261 | HS | None | STOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **45-0000** | **FARMING, FISHING, AND FORESTRY OCCUPATIONS** | **17,761** | **17,494** | **-267** | **-1.50%** | **703** | **1,804** | **-134** | **2,373** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***45-1000*** | ***Supervisors of Farming, Fishing, and Forestry Workers*** | ***747*** | ***734*** | ***-13*** | ***-1.74%*** | ***26*** | ***71*** | ***-6*** | ***91*** |  |  |  |
| **45-1011** | First-Line Supervisors of Farming, Fishing, and Forestry Workers | 747 | 734 | -13 | -1.74% | 26 | 71 | -6 | 91 | HS | <5 | None |
| ***45-2000*** | ***Agricultural Workers*** | ***13,508*** | ***13,396*** | ***-112*** | ***-0.83%*** | ***546*** | ***1,381*** | ***-56*** | ***1,871*** |  |  |  |
| **45-2041** | Graders and Sorters, Agricultural Products | 1,492 | 1,507 | 15 | 1.01% | 56 | 140 | 8 | 204 | NFE | None | STOJT |
| **45-2091** | Agricultural Equipment Operators | 1,155 | 1,151 | -4 | -0.35% | 47 | 120 | -2 | 165 | NFE | None | MTOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **45-2092** | Farmworkers and Laborers, Crop, Nursery, and Greenhouse | 5,873 | 5,828 | -45 | -0.77% | 238 | 609 | -22 | 825 | NFE | None | STOJT |
| **45-2093** | Farmworkers, Farm, Ranch, and Aquacultural Animals | 4,127 | 4,059 | -68 | -1.65% | 167 | 426 | -34 | 559 | NFE | None | STOJT |
| **45-2099** | Agricultural Workers, All Other | 334 | 327 | -7 | -2.10% | 14 | 34 | -4 | 44 | NFE | None | STOJT |
| ***45-3000*** | ***Fishing and Hunting Workers*** | ***62*** | ***61*** | ***-1*** | ***-1.61%*** | ***2*** | ***6*** | ***0*** | ***8*** |  |  |  |
| **45-3031** | Fishing and Hunting Workers | 62 | 61 | -1 | -1.61% | 2 | 6 | 0 | 8 | NFE | None | MTOJT |
| ***45-4000*** | ***Forest, Conservation, and Logging Workers*** | ***3,444*** | ***3,303*** | ***-141*** | ***-4.09%*** | ***128*** | ***346*** | ***-70*** | ***404*** |  |  |  |
| **45-4022** | Logging Equipment Operators | 1,847 | 1,784 | -63 | -3.41% | 70 | 186 | -32 | 224 | HS | None | MTOJT |
| **45-4023** | Log Graders and Scalers | 329 | 321 | -8 | -2.43% | 12 | 34 | -4 | 42 | HS | None | MTOJT |
| **45-4029** | Logging Workers, All Other | 844 | 776 | -68 | -8.06% | 31 | 83 | -34 | 80 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **47-0000** | **CONSTRUCTION AND EXTRACTION OCCUPATIONS** | **52,359** | **53,179** | **820** | **1.57%** | **1,590** | **3,430** | **410** | **5,430** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***47-1000*** | ***Supervisors of Construction and Extraction Workers*** | ***5,233*** | ***5,333*** | ***100*** | ***1.91%*** | ***148*** | ***320*** | ***50*** | ***518*** |  |  |  |
| **47-1011** | First-Line Supervisors of Construction Trades and Extraction Workers | 5,233 | 5,333 | 100 | 1.91% | 148 | 320 | 50 | 518 | HS | 5+ | None |
| ***47-2000*** | ***Construction Trades Workers*** | ***37,509*** | ***38,243*** | ***734*** | ***1.96%*** | ***1,104*** | ***2,430*** | ***367*** | ***3,901*** |  |  |  |
| **47-2011** | Boilermakers | 51 | 48 | -3 | -5.88% | 1 | 4 | -2 | 3 | HS | None | App |
| **47-2021** | Brickmasons and Blockmasons | 528 | 522 | -6 | -1.14% | 16 | 30 | -3 | 43 | HS | None | App |
| **47-2031** | Carpenters | 5,367 | 5,367 | 0 | 0.00% | 155 | 315 | 0 | 470 | HS | None | App |
| **47-2041** | Carpet Installers | 63 | 60 | -3 | -4.76% | 2 | 4 | -2 | 4 | NFE | None | STOJT |
| **47-2043** | Floor Sanders and Finishers | 289 | 289 | 0 | 0.00% | 8 | 16 | 0 | 24 | NFE | None | MTOJT |
| **47-2044** | Tile and Marble Setters | 297 | 299 | 2 | 0.67% | 8 | 17 | 1 | 26 | NFE | None | LTOJT |
| **47-2051** | Cement Masons and Concrete Finishers | 1,948 | 1,958 | 10 | 0.51% | 50 | 120 | 5 | 175 | NFE | None | MTOJT |
| **47-2061** | Construction Laborers | 8,102 | 8,215 | 113 | 1.39% | 240 | 518 | 56 | 814 | NFE | None | STOJT |
| **47-2071** | Paving, Surfacing, and Tamping Equipment Operators | 1,049 | 1,082 | 33 | 3.15% | 40 | 71 | 16 | 127 | HS | None | MTOJT |
| **47-2073** | Operating Engineers and Other Construction Equipment Operators | 3,999 | 4,083 | 84 | 2.10% | 130 | 270 | 42 | 442 | HS | None | MTOJT |
| **47-2081** | Drywall and Ceiling Tile Installers | 440 | 437 | -3 | -0.68% | 11 | 24 | -2 | 33 | NFE | None | MTOJT |
| **47-2111** | Electricians | 6,160 | 6,442 | 282 | 4.58% | 178 | 443 | 141 | 762 | HS | None | App |
| **47-2121** | Glaziers | 386 | 391 | 5 | 1.30% | 11 | 26 | 2 | 39 | HS | None | App |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **47-2131** | Insulation Workers, Floor, Ceiling, and Wall | 225 | 226 | 1 | 0.44% | 5 | 16 | 0 | 21 | NFE | None | STOJT |
| **47-2132** | Insulation Workers, Mechanical | 166 | 175 | 9 | 5.42% | 4 | 12 | 4 | 20 | HS | None | App |
| **47-2141** | Painters, Construction and Maintenance | 1,857 | 1,833 | -24 | -1.29% | 59 | 98 | -12 | 145 | NFE | None | MTOJT |
| **47-2151** | Pipelayers | 365 | 384 | 19 | 5.21% | 10 | 25 | 10 | 45 | NFE | None | STOJT |
| **47-2152** | Plumbers, Pipefitters, and Steamfitters | 3,294 | 3,447 | 153 | 4.64% | 96 | 225 | 76 | 397 | HS | None | App |
| **47-2181** | Roofers | 754 | 760 | 6 | 0.80% | 18 | 49 | 3 | 70 | NFE | None | MTOJT |
| **47-2211** | Sheet Metal Workers | 1,250 | 1,290 | 40 | 3.20% | 34 | 80 | 20 | 134 | HS | None | App |
| **47-2221** | Structural Iron and Steel Workers | 564 | 573 | 9 | 1.60% | 14 | 42 | 4 | 60 | HS | None | App |
| ***47-3000*** | ***Helpers, Construction Trades*** | ***2,095*** | ***2,153*** | ***58*** | ***2.77%*** | ***66*** | ***177*** | ***29*** | ***272*** |  |  |  |
| **47-3011** | Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble  Setters | 277 | 273 | -4 | -1.44% | 8 | 23 | -2 | 29 | NFE | None | STOJT |
| **47-3012** | Helpers--Carpenters | 241 | 245 | 4 | 1.66% | 8 | 20 | 2 | 30 | NFE | None | STOJT |
| **47-3013** | Helpers--Electricians | 441 | 461 | 20 | 4.54% | 14 | 38 | 10 | 62 | HS | None | STOJT |
| **47-3014** | Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons | 72 | 71 | -1 | -1.39% | 2 | 6 | 0 | 8 | NFE | None | STOJT |
| **47-3015** | Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters | 490 | 522 | 32 | 6.53% | 16 | 42 | 16 | 74 | HS | None | STOJT |
| **47-3016** | Helpers--Roofers | 48 | 49 | 1 | 2.08% | 2 | 4 | 0 | 6 | NFE | None | STOJT |
| **47-3019** | Helpers, Construction Trades, All Other | 526 | 532 | 6 | 1.14% | 16 | 44 | 3 | 63 | NFE | None | STOJT |
| ***47-4000*** | ***Other Construction and Related Workers*** | ***5,305*** | ***5,385*** | ***80*** | ***1.51%*** | ***211*** | ***324*** | ***40*** | ***575*** |  |  |  |
| **47-4011** | Construction and Building Inspectors | 947 | 961 | 14 | 1.48% | 46 | 56 | 7 | 109 | HS | 5+ | MTOJT |
| **47-4031** | Fence Erectors | 295 | 300 | 5 | 1.69% | 8 | 20 | 2 | 30 | NFE | None | MTOJT |
| **47-4041** | Hazardous Materials Removal Workers | 150 | 158 | 8 | 5.33% | 6 | 11 | 4 | 21 | HS | None | MTOJT |
| **47-4051** | Highway Maintenance Workers | 3,329 | 3,373 | 44 | 1.32% | 132 | 196 | 22 | 350 | HS | None | MTOJT |
| **47-4061** | Rail-Track Laying and Maintenance Equipment Operators | 243 | 244 | 1 | 0.41% | 10 | 13 | 0 | 23 | HS | None | MTOJT |
| **47-4090** | Miscellaneous Construction and Related Workers | 169 | 167 | -2 | -1.18% | 5 | 14 | -1 | 18 | HS | None | MTOJT |
| ***47-5000*** | ***Extraction Workers*** | ***2,217*** | ***2,065*** | ***-152*** | ***-6.86%*** | ***62*** | ***179*** | ***-76*** | ***165*** |  |  |  |
| **47-5011** | Derrick Operators, Oil and Gas | 27 | 22 | -5 | -18.52% | 0 | 2 | -2 | 0 | NFE | None | STOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **47-5013** | Service Unit Operators, Oil, Gas, and Mining | 732 | 638 | -94 | -12.84% | 18 | 64 | -47 | 35 | NFE | None | MTOJT |
| **47-5022** | Excavating and Loading Machine and Dragline Operators, Surface Mining | 319 | 327 | 8 | 2.51% | 12 | 22 | 4 | 38 | HS | <5 | MTOJT |
| **47-5041** | Continuous Mining Machine Operators | 177 | 184 | 7 | 3.95% | 6 | 14 | 4 | 24 | NFE | None | MTOJT |
| **47-5051** | Rock Splitters, Quarry | 70 | 70 | 0 | 0.00% | 2 | 6 | 0 | 8 | NFE | None | STOJT |
| **47-5071** | Roustabouts, Oil and Gas | 289 | 242 | -47 | -16.26% | 7 | 22 | -24 | 5 | NFE | None | MTOJT |
| **47-5081** | Helpers--Extraction Workers | 71 | 67 | -4 | -5.63% | 2 | 6 | -2 | 6 | HS | None | MTOJT |
| **47-5097** | Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters | 471 | 461 | -10 | -2.12% | 12 | 38 | -5 | 45 | HS | <5 | LTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **49-0000** | **INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS** | **61,080** | **62,000** | **920** | **1.51%** | **1,895** | **3,406** | **460** | **5,761** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***49-1000*** | ***Supervisors of Installation, Maintenance, and Repair Workers*** | ***6,157*** | ***6,250*** | ***93*** | ***1.51%*** | ***184*** | ***315*** | ***46*** | ***545*** |  |  |  |
| **49-1011** | First-Line Supervisors of Mechanics, Installers, and Repairers | 6,157 | 6,250 | 93 | 1.51% | 184 | 315 | 46 | 545 | HS | <5 | None |
| ***49-2000*** | ***Electrical and Electronic Equipment Mechanics, Installers, and Repairers*** | ***5,409*** | ***5,419*** | ***10*** | ***0.18%*** | ***144*** | ***358*** | ***5*** | ***507*** |  |  |  |
| **49-2011** | Computer, Automated Teller, and  Office Machine Repairers | 1,121 | 1,136 | 15 | 1.34% | 32 | 76 | 8 | 116 | SC | None | STOJT |
| **49-2021** | Radio, Cellular, and Tower Equipment Installers and Repairers | 53 | 56 | 3 | 5.66% | 2 | 4 | 2 | 8 | AD | None | MTOJT |
| **49-2022** | Telecommunications Equipment Installers and Repairers, Except Line Installers | 1,789 | 1,774 | -15 | -0.84% | 54 | 126 | -8 | 172 | PS | None | MTOJT |
| **49-2092** | Electric Motor, Power Tool, and Related Repairers | 168 | 164 | -4 | -2.38% | 7 | 10 | -2 | 15 | HS | <5 | MTOJT |
| **49-2093** | Electrical and Electronics Installers and Repairers, Transportation  Equipment | 165 | 152 | -13 | -7.88% | 3 | 8 | -6 | 5 | PS | None | LTOJT |
| **49-2094** | Electrical and Electronics Repairers, Commercial and Industrial Equipment | 531 | 537 | 6 | 1.13% | 10 | 26 | 3 | 39 | PS | None | LTOJT |
| **49-2095** | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay | 232 | 234 | 2 | 0.86% | 4 | 12 | 1 | 17 | PS | <5 | MTOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **49-2097** | Electronic Home Entertainment Equipment Installers and Repairers | 569 | 556 | -13 | -2.28% | 13 | 39 | -6 | 46 | PS | None | STOJT |
| **49-2098** | Security and Fire Alarm Systems Installers | 743 | 772 | 29 | 3.90% | 18 | 58 | 14 | 90 | HS | None | MTOJT |
| ***49-3000*** | ***Vehicle and Mobile Equipment***  ***Mechanics, Installers, and Repairers*** | ***17,365*** | ***17,542*** | ***177*** | ***1.02%*** | ***519*** | ***996*** | ***88*** | ***1,603*** |  |  |  |
| **49-3011** | Aircraft Mechanics and Service Technicians | 814 | 842 | 28 | 3.44% | 24 | 38 | 14 | 76 | PS | None | None |
| **49-3021** | Automotive Body and Related Repairers | 1,530 | 1,570 | 40 | 2.61% | 50 | 79 | 20 | 149 | HS | None | LTOJT |
| **49-3023** | Automotive Service Technicians and Mechanics | 6,237 | 6,219 | -18 | -0.29% | 174 | 367 | -9 | 532 | PS | None | STOJT |
| **49-3031** | Bus and Truck Mechanics and Diesel Engine Specialists | 3,848 | 3,900 | 52 | 1.35% | 104 | 214 | 26 | 344 | HS | None | LTOJT |
| **49-3041** | Farm Equipment Mechanics and Service Technicians | 826 | 885 | 59 | 7.14% | 26 | 49 | 30 | 105 | HS | None | LTOJT |
| **49-3042** | Mobile Heavy Equipment Mechanics, Except Engines | 1,391 | 1,418 | 27 | 1.94% | 44 | 80 | 14 | 138 | HS | None | LTOJT |
| **49-3043** | Rail Car Repairers | 272 | 262 | -10 | -3.68% | 8 | 16 | -5 | 19 | HS | None | LTOJT |
| **49-3051** | Motorboat Mechanics and Service Technicians | 313 | 295 | -18 | -5.75% | 13 | 16 | -9 | 20 | HS | None | LTOJT |
| **49-3052** | Motorcycle Mechanics | 248 | 248 | 0 | 0.00% | 10 | 12 | 0 | 22 | PS | None | STOJT |
| **49-3053** | Outdoor Power Equipment and Other Small Engine Mechanics | 401 | 408 | 7 | 1.75% | 18 | 20 | 4 | 42 | HS | None | MTOJT |
| **49-3092** | Recreational Vehicle Service Technicians | 156 | 157 | 1 | 0.64% | 5 | 11 | 0 | 16 | HS | None | LTOJT |
| **49-3093** | Tire Repairers and Changers | 1,242 | 1,249 | 7 | 0.56% | 40 | 86 | 4 | 130 | HS | None | STOJT |
| ***49-9000*** | ***Other Installation, Maintenance, and Repair Occupations*** | ***32,149*** | ***32,789*** | ***640*** | ***1.99%*** | ***1,047*** | ***1,738*** | ***320*** | ***3,105*** |  |  |  |
| **49-9011** | Mechanical Door Repairers | 542 | 570 | 28 | 5.17% | 14 | 28 | 14 | 56 | HS | None | MTOJT |
| **49-9012** | Control and Valve Installers and Repairers, Except Mechanical Door | 421 | 418 | -3 | -0.71% | 10 | 21 | -2 | 29 | HS | None | MTOJT |
| **49-9021** | Heating, Air Conditioning, and  Refrigeration Mechanics and Installers | 3,094 | 3,245 | 151 | 4.88% | 84 | 186 | 76 | 346 | PS | None | LTOJT |
| **49-9031** | Home Appliance Repairers | 164 | 154 | -10 | -6.10% | 6 | 8 | -5 | 9 | HS | None | MTOJT |
| **49-9041** | Industrial Machinery Mechanics | 6,967 | 7,160 | 193 | 2.77% | 218 | 345 | 96 | 659 | HS | None | LTOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **49-9043** | Maintenance Workers, Machinery | 853 | 864 | 11 | 1.29% | 30 | 38 | 6 | 74 | HS | None | LTOJT |
| **49-9044** | Millwrights | 854 | 865 | 11 | 1.29% | 27 | 42 | 6 | 75 | HS | None | App |
| **49-9051** | Electrical Power-Line Installers and Repairers | 2,200 | 2,286 | 86 | 3.91% | 48 | 120 | 43 | 211 | HS | None | LTOJT |
| **49-9052** | Telecommunications Line Installers and Repairers | 1,213 | 1,254 | 41 | 3.38% | 26 | 94 | 20 | 140 | HS | None | LTOJT |
| **49-9062** | Medical Equipment Repairers | 484 | 495 | 11 | 2.27% | 21 | 25 | 6 | 52 | AD | None | MTOJT |
| **49-9069** | Precision Instrument and Equipment Repairers, All Other | 186 | 192 | 6 | 3.23% | 8 | 10 | 3 | 21 | HS | None | LTOJT |
| **49-9071** | Maintenance and Repair Workers, General | 11,831 | 11,884 | 53 | 0.45% | 409 | 611 | 26 | 1,046 | HS | None | MTOJT |
| **49-9091** | Coin, Vending, and Amusement Machine Servicers and Repairers | 120 | 106 | -14 | -11.67% | 6 | 7 | -7 | 6 | HS | None | STOJT |
| **49-9094** | Locksmiths and Safe Repairers | 141 | 138 | -3 | -2.13% | 6 | 8 | -2 | 12 | HS | None | LTOJT |
| **49-9096** | Riggers | 101 | 92 | -9 | -8.91% | 2 | 6 | -4 | 4 | HS | None | MTOJT |
| **49-9098** | Helpers--Installation, Maintenance, and Repair Workers | 1,316 | 1,357 | 41 | 3.12% | 68 | 94 | 20 | 182 | HS | None | STOJT |
| **49-9099** | Installation, Maintenance, and Repair Workers, All Other | 1,523 | 1,572 | 49 | 3.22% | 60 | 87 | 24 | 171 | HS | None | MTOJT |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **51-0000** | **PRODUCTION OCCUPATIONS** | **117,224** | **113,899** | **-3,325** | **-2.84%** | **4,280** | **7,435** | **-1,662** | **10,053** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***51-1000*** | ***Supervisors of Production Workers*** | ***8,926*** | ***8,839*** | ***-87*** | ***-0.97%*** | ***264*** | ***518*** | ***-44*** | ***738*** |  |  |  |
| **51-1011** | First-Line Supervisors of Production and Operating Workers | 8,926 | 8,839 | -87 | -0.97% | 264 | 518 | -44 | 738 | HS | <5 | None |
| ***51-2000*** | ***Assemblers and Fabricators*** | ***16,633*** | ***15,579*** | ***-1,054*** | ***-6.34%*** | ***596*** | ***1,010*** | ***-527*** | ***1,079*** |  |  |  |
| **51-2011** | Aircraft Structure, Surfaces, Rigging, and Systems Assemblers | 159 | 164 | 5 | 3.14% | 6 | 8 | 2 | 16 | HS | None | MTOJT |
| **51-2021** | Coil Winders, Tapers, and Finishers | 209 | 183 | -26 | -12.44% | 8 | 11 | -13 | 6 | HS | None | MTOJT |
| **51-2028** | Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and  Finishers | 1,620 | 1,551 | -69 | -4.26% | 66 | 88 | -34 | 120 | HS | None | MTOJT |
| **51-2041** | Structural Metal Fabricators and Fitters | 1,016 | 1,002 | -14 | -1.38% | 22 | 74 | -7 | 89 | HS | None | MTOJT |
| **51-2051** | Fiberglass Laminators and Fabricators | 414 | 370 | -44 | -10.63% | 15 | 24 | -22 | 17 | HS | None | MTOJT |
| **51-2090** | Miscellaneous Assemblers and Fabricators | 13,133 | 12,234 | -899 | -6.85% | 478 | 800 | -450 | 828 | HS | None | MTOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| ***51-3000*** | ***Food Processing Workers*** | ***19,193*** | ***19,323*** | ***130*** | ***0.68%*** | ***799*** | ***1,242*** | ***65*** | ***2,106*** |  |  |  |
| **51-3011** | Bakers | 1,428 | 1,389 | -39 | -2.73% | 78 | 94 | -20 | 152 | NFE | None | LTOJT |
| **51-3021** | Butchers and Meat Cutters | 881 | 895 | 14 | 1.59% | 35 | 59 | 7 | 101 | NFE | None | LTOJT |
| **51-3022** | Meat, Poultry, and Fish Cutters and Trimmers | 8,796 | 8,880 | 84 | 0.95% | 346 | 590 | 42 | 978 | NFE | None | STOJT |
| **51-3023** | Slaughterers and Meat Packers | 1,215 | 1,240 | 25 | 2.06% | 48 | 82 | 12 | 142 | NFE | None | STOJT |
| **51-3091** | Food and Tobacco Roasting, Baking,  and Drying Machine Operators and Tenders | 78 | 80 | 2 | 2.56% | 4 | 4 | 1 | 9 | NFE | None | MTOJT |
| **51-3092** | Food Batchmakers | 2,109 | 2,151 | 42 | 1.99% | 114 | 144 | 21 | 279 | HS | None | MTOJT |
| **51-3093** | Food Cooking Machine Operators and Tenders | 324 | 327 | 3 | 0.93% | 21 | 30 | 2 | 53 | HS | None | MTOJT |
| **51-3099** | Food Processing Workers, All Other | 4,362 | 4,361 | -1 | -0.02% | 152 | 240 | 0 | 392 | NFE | None | MTOJT |
| ***51-4000*** | ***Metal Workers and Plastic Workers*** | ***19,598*** | ***19,174*** | ***-424*** | ***-2.16%*** | ***582*** | ***1,219*** | ***-212*** | ***1,589*** |  |  |  |
| **51-4021** | Extruding and Drawing Machine  Setters, Operators, and Tenders, Metal and Plastic | 1,208 | 1,172 | -36 | -2.98% | 34 | 90 | -18 | 106 | HS | None | MTOJT |
| **51-4023** | Rolling Machine Setters, Operators, and Tenders, Metal and Plastic | 831 | 840 | 9 | 1.08% | 30 | 42 | 4 | 76 | HS | None | MTOJT |
| **51-4031** | Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic | 1,958 | 1,900 | -58 | -2.96% | 65 | 116 | -29 | 152 | HS | None | MTOJT |
| **51-4032** | Drilling and Boring Machine Tool  Setters, Operators, and Tenders, Metal and Plastic | 32 | 29 | -3 | -9.38% | 1 | 2 | -2 | 1 | HS | None | MTOJT |
| **51-4033** | Grinding, Lapping, Polishing, and Buffing Machine Tool Setters,  Operators, and Tenders, Metal and Plastic | 735 | 679 | -56 | -7.62% | 30 | 40 | -28 | 42 | HS | None | MTOJT |
| **51-4034** | Lathe and Turning Machine Tool  Setters, Operators, and Tenders, Metal and Plastic | 464 | 419 | -45 | -9.70% | 14 | 24 | -22 | 16 | HS | None | MTOJT |
| **51-4035** | Milling and Planing Machine Setters,  Operators, and Tenders, Metal and Plastic | 85 | 80 | -5 | -5.88% | 2 | 5 | -2 | 5 | HS | None | MTOJT |
| **51-4041** | Machinists | 2,477 | 2,520 | 43 | 1.74% | 82 | 147 | 22 | 251 | HS | None | LTOJT |
| **51-4051** | Metal-Refining Furnace Operators and Tenders | 329 | 332 | 3 | 0.91% | 8 | 20 | 2 | 30 | HS | None | MTOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-4071** | Foundry Mold and Coremakers | 80 | 69 | -11 | -13.75% | 2 | 4 | -6 | 0 | HS | None | MTOJT |
| **51-4072** | Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic | 1,681 | 1,594 | -87 | -5.18% | 41 | 100 | -44 | 97 | HS | None | MTOJT |
| **51-4081** | Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 1,564 | 1,536 | -28 | -1.79% | 49 | 91 | -14 | 126 | HS | None | MTOJT |
| **51-4111** | Tool and Die Makers | 539 | 516 | -23 | -4.27% | 20 | 28 | -12 | 36 | PS | None | LTOJT |
| **51-4121** | Welders, Cutters, Solderers, and Brazers | 5,764 | 5,709 | -55 | -0.95% | 144 | 398 | -28 | 514 | HS | None | MTOJT |
| **51-4122** | Welding, Soldering, and Brazing  Machine Setters, Operators, and Tenders | 758 | 714 | -44 | -5.80% | 18 | 51 | -22 | 47 | HS | None | MTOJT |
| **51-4191** | Heat Treating Equipment Setters,  Operators, and Tenders, Metal and Plastic | 293 | 282 | -11 | -3.75% | 9 | 17 | -6 | 20 | HS | None | MTOJT |
| **51-4193** | Plating and Coating Machine Setters,  Operators, and Tenders, Metal and Plastic | 303 | 302 | -1 | -0.33% | 8 | 18 | 0 | 26 | HS | None | MTOJT |
| **51-4194** | Tool Grinders, Filers, and Sharpeners | 171 | 171 | 0 | 0.00% | 14 | 6 | 0 | 20 | HS | None | MTOJT |
| **51-4199** | Metal Workers and Plastic Workers, All Other | 168 | 158 | -10 | -5.95% | 5 | 10 | -5 | 10 | HS | None | MTOJT |
| ***51-5100*** | ***Printing Workers*** | ***2,753*** | ***2,402*** | ***-351*** | ***-12.75%*** | ***101*** | ***159*** | ***-176*** | ***84*** |  |  |  |
| **51-5111** | Prepress Technicians and Workers | 166 | 146 | -20 | -12.05% | 5 | 12 | -10 | 7 | PS | None | None |
| **51-5112** | Printing Press Operators | 2,258 | 1,974 | -284 | -12.58% | 78 | 128 | -142 | 64 | HS | None | MTOJT |
| **51-5113** | Print Binding and Finishing Workers | 329 | 282 | -47 | -14.29% | 18 | 19 | -24 | 13 | HS | None | MTOJT |
| ***51-6000*** | ***Textile, Apparel, and Furnishings Workers*** | ***4,604*** | ***4,173*** | ***-431*** | ***-9.36%*** | ***244*** | ***242*** | ***-216*** | ***270*** |  |  |  |
| **51-6011** | Laundry and Dry-Cleaning Workers | 1,925 | 1,734 | -191 | -9.92% | 111 | 106 | -96 | 121 | NFE | None | STOJT |
| **51-6021** | Pressers, Textile, Garment, and Related Materials | 276 | 220 | -56 | -20.29% | 14 | 14 | -28 | 0 | NFE | None | STOJT |
| **51-6031** | Sewing Machine Operators | 939 | 923 | -16 | -1.70% | 54 | 40 | -8 | 86 | NFE | None | STOJT |
| **51-6052** | Tailors, Dressmakers, and Custom Sewers | 62 | 58 | -4 | -6.45% | 4 | 2 | -2 | 4 | NFE | None | MTOJT |
| **51-6062** | Textile Cutting Machine Setters, Operators, and Tenders | 71 | 63 | -8 | -11.27% | 2 | 3 | -4 | 1 | HS | None | MTOJT |
| **51-6064** | Textile Winding, Twisting, and  Drawing Out Machine Setters, Operators, and Tenders | 279 | 243 | -36 | -12.90% | 12 | 11 | -18 | 5 | HS | None | MTOJT |

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| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-6093** | Upholsterers | 150 | 142 | -8 | -5.33% | 4 | 7 | -4 | 7 | HS | None | MTOJT |
| **51-6099** | Textile, Apparel, and Furnishings Workers, All Other | 53 | 54 | 1 | 1.89% | 2 | 4 | 0 | 6 | HS | None | STOJT |
| ***51-7000*** | ***Woodworkers*** | ***3,813*** | ***3,651*** | ***-162*** | ***-4.25%*** | ***145*** | ***239*** | ***-81*** | ***303*** |  |  |  |
| **51-7011** | Cabinetmakers and Bench Carpenters | 1,287 | 1,229 | -58 | -4.51% | 48 | 61 | -29 | 80 | HS | None | MTOJT |
| **51-7041** | Sawing Machine Setters, Operators, and Tenders, Wood | 1,308 | 1,263 | -45 | -3.44% | 40 | 92 | -22 | 110 | HS | None | MTOJT |
| **51-7042** | Woodworking Machine Setters,  Operators, and Tenders, Except Sawing | 1,148 | 1,093 | -55 | -4.79% | 54 | 82 | -28 | 108 | HS | None | MTOJT |
| ***51-8000*** | ***Plant and System Operators*** | ***4,371*** | ***4,341*** | ***-30*** | ***-0.69%*** | ***122*** | ***246*** | ***-15*** | ***353*** |  |  |  |
| **51-8012** | Power Distributors and Dispatchers | 304 | 304 | 0 | 0.00% | 7 | 18 | 0 | 25 | HS | None | LTOJT |
| **51-8013** | Power Plant Operators | 260 | 251 | -9 | -3.46% | 6 | 15 | -4 | 17 | HS | None | LTOJT |
| **51-8021** | Stationary Engineers and Boiler Operators | 477 | 459 | -18 | -3.77% | 18 | 28 | -9 | 37 | HS | None | LTOJT |
| **51-8031** | Water and Wastewater Treatment Plant and System Operators | 2,437 | 2,451 | 14 | 0.57% | 70 | 122 | 7 | 199 | HS | None | LTOJT |
| **51-8091** | Chemical Plant and System Operators | 222 | 226 | 4 | 1.80% | 5 | 16 | 2 | 23 | HS | None | MTOJT |
| **51-8092** | Gas Plant Operators | 171 | 162 | -9 | -5.26% | 4 | 12 | -4 | 12 | HS | None | LTOJT |
| **51-8093** | Petroleum Pump System Operators, Refinery Operators, and Gaugers | 295 | 292 | -3 | -1.02% | 6 | 21 | -2 | 25 | HS | None | MTOJT |
| ***51-9000*** | ***Other Production Occupations*** | ***37,333*** | ***36,417*** | ***-916*** | ***-2.45%*** | ***1,426*** | ***2,560*** | ***-458*** | ***3,528*** |  |  |  |
| **51-9011** | Chemical Equipment Operators and Tenders | 1,219 | 1,236 | 17 | 1.39% | 28 | 90 | 8 | 126 | HS | None | MTOJT |
| **51-9012** | Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders | 629 | 653 | 24 | 3.82% | 15 | 47 | 12 | 74 | HS | None | MTOJT |
| **51-9021** | Crushing, Grinding, and Polishing Machine Setters, Operators, and  Tenders | 627 | 634 | 7 | 1.12% | 20 | 45 | 4 | 69 | HS | None | MTOJT |
| **51-9022** | Grinding and Polishing Workers, Hand | 839 | 723 | -116 | -13.83% | 24 | 56 | -58 | 22 | NFE | None | MTOJT |
| **51-9023** | Mixing and Blending Machine Setters, Operators, and Tenders | 1,505 | 1,489 | -16 | -1.06% | 47 | 106 | -8 | 145 | HS | None | MTOJT |
| **51-9031** | Cutters and Trimmers, Hand | 34 | 32 | -2 | -5.88% | 1 | 2 | -1 | 2 | NFE | None | STOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **51-9032** | Cutting and Slicing Machine Setters, Operators, and Tenders | 927 | 900 | -27 | -2.91% | 31 | 62 | -14 | 79 | HS | None | MTOJT |
| **51-9041** | Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders | 1,365 | 1,335 | -30 | -2.20% | 48 | 84 | -15 | 117 | HS | None | MTOJT |
| **51-9051** | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders | 380 | 381 | 1 | 0.26% | 14 | 20 | 0 | 34 | HS | None | MTOJT |
| **51-9061** | Inspectors, Testers, Sorters, Samplers, and Weighers | 6,582 | 6,231 | -351 | -5.33% | 236 | 456 | -176 | 516 | HS | None | MTOJT |
| **51-9071** | Jewelers and Precious Stone and Metal Workers | 310 | 303 | -7 | -2.26% | 20 | 16 | -4 | 32 | HS | None | LTOJT |
| **51-9081** | Dental Laboratory Technicians | 364 | 377 | 13 | 3.57% | 16 | 26 | 6 | 48 | HS | None | MTOJT |
| **51-9082** | Medical Appliance Technicians | 96 | 97 | 1 | 1.04% | 4 | 6 | 0 | 10 | HS | None | MTOJT |
| **51-9083** | Ophthalmic Laboratory Technicians | 235 | 241 | 6 | 2.55% | 10 | 16 | 3 | 29 | HS | None | MTOJT |
| **51-9111** | Packaging and Filling Machine Operators and Tenders | 4,255 | 4,254 | -1 | -0.02% | 177 | 254 | 0 | 431 | HS | None | MTOJT |
| **51-9123** | Painting, Coating, and Decorating Workers | 73 | 69 | -4 | -5.48% | 2 | 4 | -2 | 4 | NFE | None | MTOJT |
| **51-9124** | Coating, Painting, and Spraying Machine Setters, Operators, and  Tenders | 1,484 | 1,451 | -33 | -2.22% | 41 | 96 | -16 | 121 | HS | None | MTOJT |
| **51-9161** | Computer Numerically Controlled Tool Operators | 1,428 | 1,420 | -8 | -0.56% | 33 | 91 | -4 | 120 | HS | None | MTOJT |
| **51-9162** | Computer Numerically Controlled Tool Programmers | 103 | 105 | 2 | 1.94% | 2 | 6 | 1 | 9 | PS | None | MTOJT |
| **51-9191** | Adhesive Bonding Machine Operators and Tenders | 433 | 396 | -37 | -8.55% | 16 | 26 | -18 | 24 | HS | None | MTOJT |
| **51-9192** | Cleaning, Washing, and Metal Pickling Equipment Operators and  Tenders | 171 | 171 | 0 | 0.00% | 12 | 12 | 0 | 24 | HS | None | MTOJT |
| **51-9193** | Cooling and Freezing Equipment Operators and Tenders | 337 | 345 | 8 | 2.37% | 12 | 22 | 4 | 38 | HS | None | MTOJT |
| **51-9195** | Molders, Shapers, and Casters, Except Metal and Plastic | 313 | 314 | 1 | 0.32% | 12 | 19 | 0 | 31 | HS | None | LTOJT |
| **51-9196** | Paper Goods Machine Setters, Operators, and Tenders | 2,308 | 2,156 | -152 | -6.59% | 90 | 130 | -76 | 144 | HS | None | MTOJT |
| **51-9198** | Helpers--Production Workers | 7,781 | 7,737 | -44 | -0.57% | 400 | 636 | -22 | 1,014 | HS | None | STOJT |
| **51-9199** | Production Workers, All Other | 2,711 | 2,571 | -140 | -5.16% | 92 | 173 | -70 | 195 | HS | None | MTOJT |

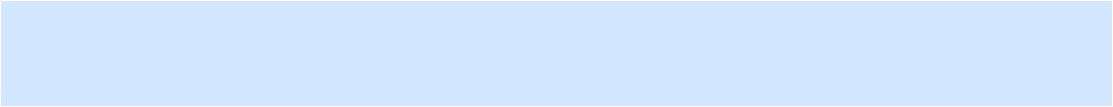
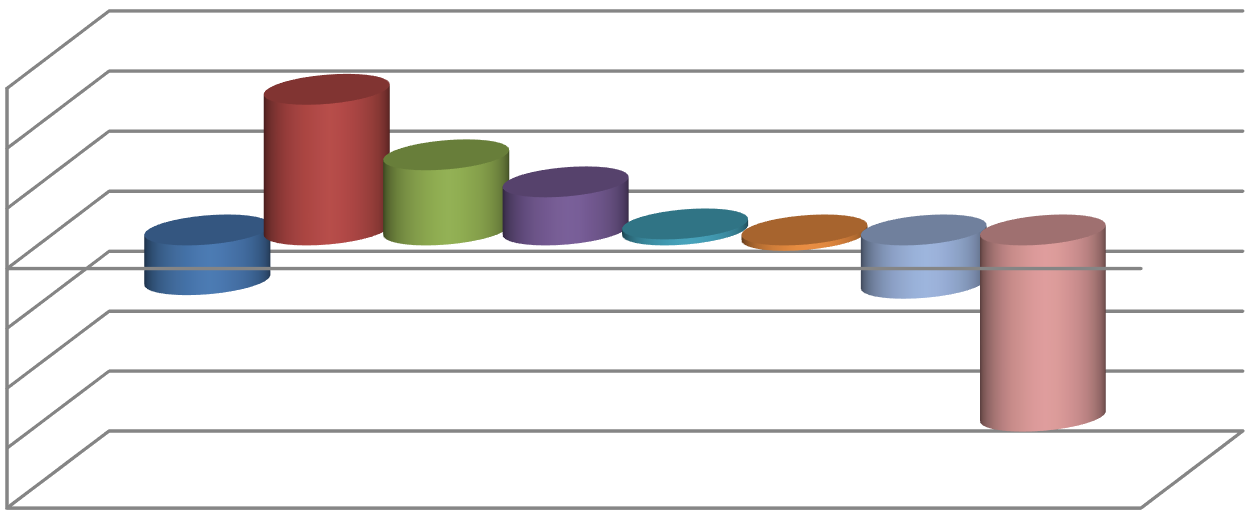
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **53-0000** | **TRANSPORTATION AND**  **MATERIAL MOVING OCCUPATIONS** | **138,032** | **136,914** | **-1,118** | **-0.81%** | **6,005** | **8,961** | **-559** | **14,407** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***53-1000*** | ***Supervisors of Transportation and Material Moving Workers*** | ***4,723*** | ***4,750*** | ***27*** | ***0.57%*** | ***133*** | ***288*** | ***14*** | ***435*** |  |  |  |
| **53-1047** | FirstLine Supervisors of Transportation & Material Moving Workers, Exc Aircraft Cargo Handling  Supervisor | 4,546 | 4,572 | 26 | 0.57% | 132 | 286 | 13 | 431 | HS | <5 | None |
| ***53-2000*** | ***Air Transportation Workers*** | ***653*** | ***678*** | ***25*** | ***3.83%*** | ***18*** | ***42*** | ***12*** | ***72*** |  |  |  |
| **53-2011** | Airline Pilots, Copilots, and Flight Engineers | 193 | 199 | 6 | 3.11% | 6 | 12 | 3 | 21 | BD | <5 | MTOJT |
| **53-2012** | Commercial Pilots | 333 | 347 | 14 | 4.20% | 10 | 22 | 7 | 39 | HS | None | MTOJT |
| ***53-3000*** | ***Motor Vehicle Operators*** | ***63,035*** | ***61,791*** | ***-1,244*** | ***-1.97%*** | ***2,803*** | ***3,549*** | ***-622*** | ***5,730*** |  |  |  |
| **53-3011** | Ambulance Drivers and Attendants,  Except Emergency Medical Technicians | 28 | 28 | 0 | 0.00% | 1 | 2 | 0 | 3 | HS | None | MTOJT |
| **53-3031** | Driver/Sales Workers | 3,306 | 3,069 | -237 | -7.17% | 130 | 190 | -118 | 202 | HS | None | STOJT |
| **53-3032** | Heavy and Tractor-Trailer Truck Drivers | 39,567 | 39,287 | -280 | -0.71% | 1,616 | 2,359 | -140 | 3,835 | PS | None | STOJT |
| **53-3033** | Light Truck or Delivery Services Drivers | 9,529 | 8,887 | -642 | -6.74% | 378 | 551 | -321 | 608 | HS | None | STOJT |
| **53-3052** | Bus Drivers, Transit and Intercity | 466 | 451 | -15 | -3.22% | 35 | 18 | -8 | 45 | HS | None | MTOJT |
| **53-3058** | Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity | 9,921 | 9,842 | -79 | -0.80% | 620 | 418 | -40 | 998 | NFE | None | STOJT |
| **53-3099** | Motor Vehicle Operators, All Other | 218 | 227 | 9 | 4.13% | 23 | 12 | 4 | 39 | NFE | None | STOJT |
| ***53-4000*** | ***Rail Transportation Workers*** | ***1,518*** | ***1,481*** | ***-37*** | ***-2.44%*** | ***30*** | ***90*** | ***-18*** | ***102*** |  |  |  |
| **53-4013** | Rail Yard Engineers, Dinkey Operators, and Hostlers | 158 | 144 | -14 | -8.86% | 3 | 8 | -7 | 4 | HS | None | MTOJT |
| **53-4022** | Railroad Brake, Signal, and Switch Operators and Locomotive Firers | 194 | 185 | -9 | -4.64% | 4 | 12 | -4 | 12 | HS | None | MTOJT |
| ***53-5000*** | ***Water Transportation Workers*** | ***209*** | ***201*** | ***-8*** | ***-3.83%*** | ***6*** | ***15*** | ***-4*** | ***17*** |  |  |  |
| **53-5021** | Captains, Mates, and Pilots of Water Vessels | 90 | 87 | -3 | -3.33% | 2 | 6 | -2 | 6 | PS | <5 | None |
| ***53-6000*** | ***Other Transportation Workers*** | ***2,435*** | ***2,423*** | ***-12*** | ***-0.49%*** | ***110*** | ***198*** | ***-6*** | ***302*** |  |  |  |
| **53-6011** | Bridge and Lock Tenders | 71 | 72 | 1 | 1.41% | 2 | 4 | 0 | 6 | HS | None | STOJT |
| **53-6021** | Parking Lot Attendants | 358 | 332 | -26 | -7.26% | 16 | 32 | -13 | 35 | NFE | None | STOJT |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Separations** | | **Annual Openings** | | **Education/Training Codes** | | |
| **Code** | **Title** | **2020**  **Estimated** | **2022**  **Projected** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Education** | **Work Experience** | **Job Training** |
| **53-6031** | Automotive and Watercraft Service Attendants | 1,520 | 1,534 | 14 | 0.92% | 69 | 134 | 7 | 210 | NFE | None | STOJT |
| **53-6041** | Traffic Technicians | 46 | 47 | 1 | 2.17% | 2 | 2 | 0 | 4 | HS | None | MTOJT |
| **53-6051** | Transportation Inspectors | 185 | 184 | -1 | -0.54% | 6 | 12 | 0 | 18 | HS | None | MTOJT |
| **53-6061** | Transportation Attendants, Except Flight Attendants | 145 | 141 | -4 | -2.76% | 12 | 6 | -2 | 16 | HS | None | STOJT |
| **53-6098** | Aircraft Service Attendants and Transportation Workers, All Other | 110 | 113 | 3 | 2.73% | 4 | 6 | 2 | 12 | HS | None | STOJT |
| ***53-7000*** | ***Material Moving Workers*** | ***65,459*** | ***65,590*** | ***131*** | ***0.20%*** | ***2,904*** | ***4,780*** | ***66*** | ***7,750*** |  |  |  |
| **53-7011** | Conveyor Operators and Tenders | 391 | 394 | 3 | 0.77% | 11 | 34 | 2 | 47 | NFE | None | STOJT |
| **53-7021** | Crane and Tower Operators | 766 | 791 | 25 | 3.26% | 22 | 54 | 12 | 88 | HS | <5 | MTOJT |
| **53-7051** | Industrial Truck and Tractor Operators | 8,367 | 8,310 | -57 | -0.68% | 238 | 572 | -28 | 782 | NFE | None | STOJT |
| **53-7061** | Cleaners of Vehicles and Equipment | 4,951 | 5,040 | 89 | 1.80% | 235 | 394 | 44 | 673 | NFE | None | STOJT |
| **53-7062** | Laborers and Freight, Stock, and Material Movers, Hand | 21,694 | 21,565 | -129 | -0.59% | 928 | 1,683 | -64 | 2,547 | NFE | None | STOJT |
| **53-7063** | Machine Feeders and Offbearers | 1,937 | 1,929 | -8 | -0.41% | 90 | 126 | -4 | 212 | NFE | None | STOJT |
| **53-7064** | Packers and Packagers, Hand | 5,584 | 5,599 | 15 | 0.27% | 314 | 392 | 8 | 714 | NFE | None | STOJT |
| **53-7065** | Stockers and Order Fillers | 19,217 | 19,343 | 126 | 0.66% | 946 | 1,334 | 63 | 2,343 | HS | None | STOJT |
| **53-7073** | Wellhead Pumpers | 34 | 31 | -3 | -8.82% | 1 | 2 | -2 | 1 | HS | <5 | MTOJT |
| **53-7081** | Refuse and Recyclable Material Collectors | 2,258 | 2,325 | 67 | 2.97% | 110 | 170 | 34 | 314 | NFE | None | STOJT |
| **53-7121** | Tank Car, Truck, and Ship Loaders | 76 | 76 | 0 | 0.00% | 3 | 6 | 0 | 9 | NFE | None | STOJT |
| **53-7199** | Material Moving Workers, All Other | 111 | 114 | 3 | 2.70% | 4 | 8 | 2 | 14 | NFE | None | STOJT |

# 2020-2022 Projections by Education Level

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education Level** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| Doctoral or professional degree | 31,430 | 31,691 | 261 | 0.83% | 811 | 789 | 130 | 1,730 |
| Master's degree | 21,174 | 21,669 | 495 | 2.34% | 579 | 880 | 247 | 1,706 |
| Bachelor's degree | 279,523 | 283,011 | 3,488 | 1.25% | 7,962 | 12,768 | 1,745 | 22,475 |
| Associate's degree | 27,145 | 27,363 | 218 | 0.80% | 859 | 1,295 | 109 | 2,263 |
| Postsecondary non-degree award | 110,956 | 111,068 | 112 | 0.10% | 4,387 | 5,875 | 54 | 10,316 |
| Some college, no degree | 30,518 | 30,491 | -27 | -0.09% | 1,529 | 1,417 | -12 | 2,934 |
| High school diploma or equivalent | 598,086 | 592,789 | -5,297 | -0.89% | 25,716 | 34,542 | -2,657 | 57,601 |
| No formal educational credential | 332,512 | 322,166 | -10,346 | -3.11% | 19,832 | 25,160 | -5,172 | 39,820 |

**Education Outlook**



**Doctoral or Professional Degree**

**Bachelor's Degree**

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

**Master's Degree**

**Associate's Degree**

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

**Percent Growth by Education Level**

**2.34%**

**3.00%**

**2.00%**

**1.00%**

**0.00%**

**1.25%**

**0.80%**

**0.10%**

**-1.00%**

**-2.00%**

**-3.00%**

**-4.00%**

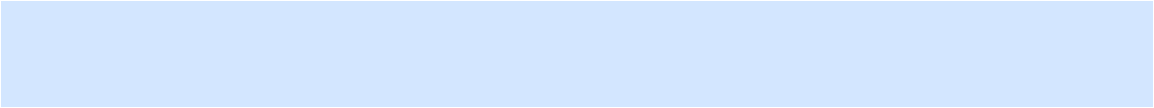
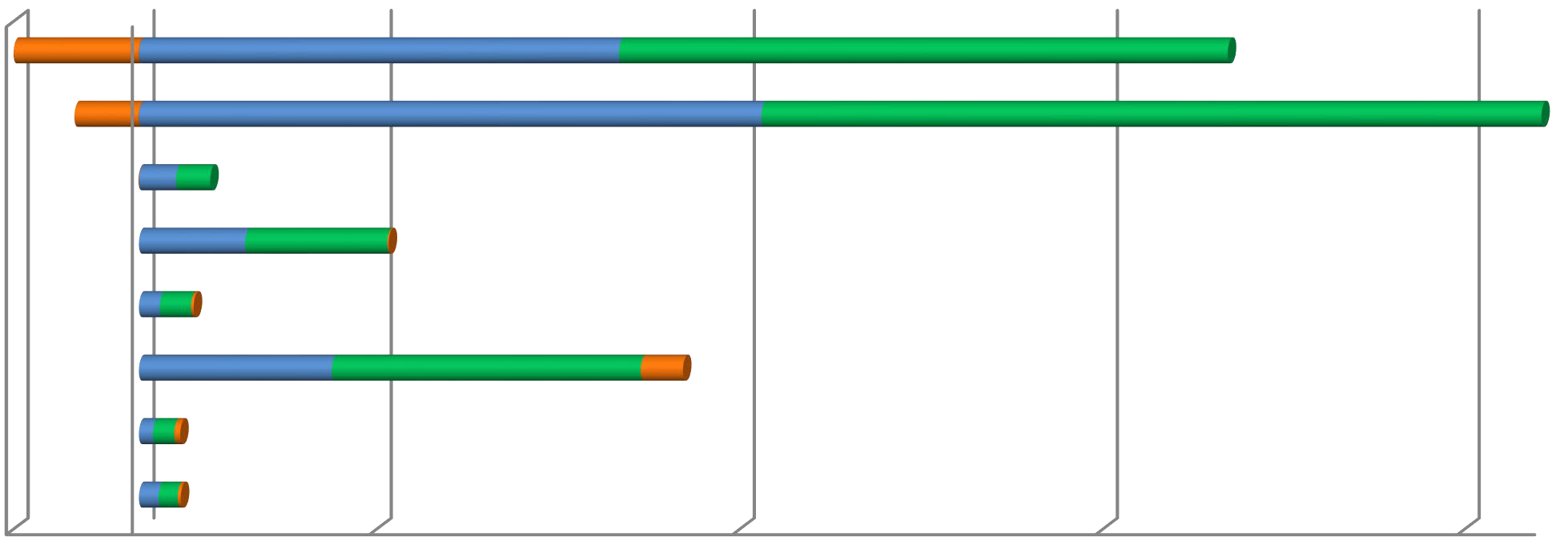
**-0.83%**

**-0.09%**

**-0.89%**

**-3.11%**

Given the pandemic of 2020, education may play a role on who can better weather the pandemic storm. Occupations requiring no formal education, could lose 10,346 jobs between first quarter 2020 and first quarter 2022. Those requiring a high school education could lose 5,297. However, occupations requiring a Bachelor’s Degree are estimated to add 3,488 jobs. On the other hand, job opportunities should be plenty for jobs not requiring a college education, with 97,421 annual job openings during the 2020-2022 projection period. At 2.34 percent, occupations requiring a Master’s Degree are growing the fastest. Occupations requiring a college degree are forecast to add 4,463 jobs into the Arkansas job market and have a combined 28,174 annual openings.



**Exits**

**Transfers**

**Change**

**Total**

**Education Level**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Annual Openings by Education Level**  **No Formal Education 39,820**  **High School Diploma or Equivalent 57,601**  **Some College, No Degree 2,934**  **Postsecondary Non-Degree Award 10,316 Associate's Degree 2,263** | | | | | | |  |
| **Bachelor's Degree** |  |  |  | **22,475** |  |  |  |
| **Master's Degree** | **1,706** |  |  |  |  |  |  |
| **Doctoral or Professional Degree** | **1,730** |  |  |  |  |  |  |
| **-5,200** |  | **9,800** |  | **24,800** | **39,800** | **54,800** |  |
|  |  |  |  |  |  |  |  |
|  | | | | | | |  |
|  | | | | | | |  |

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

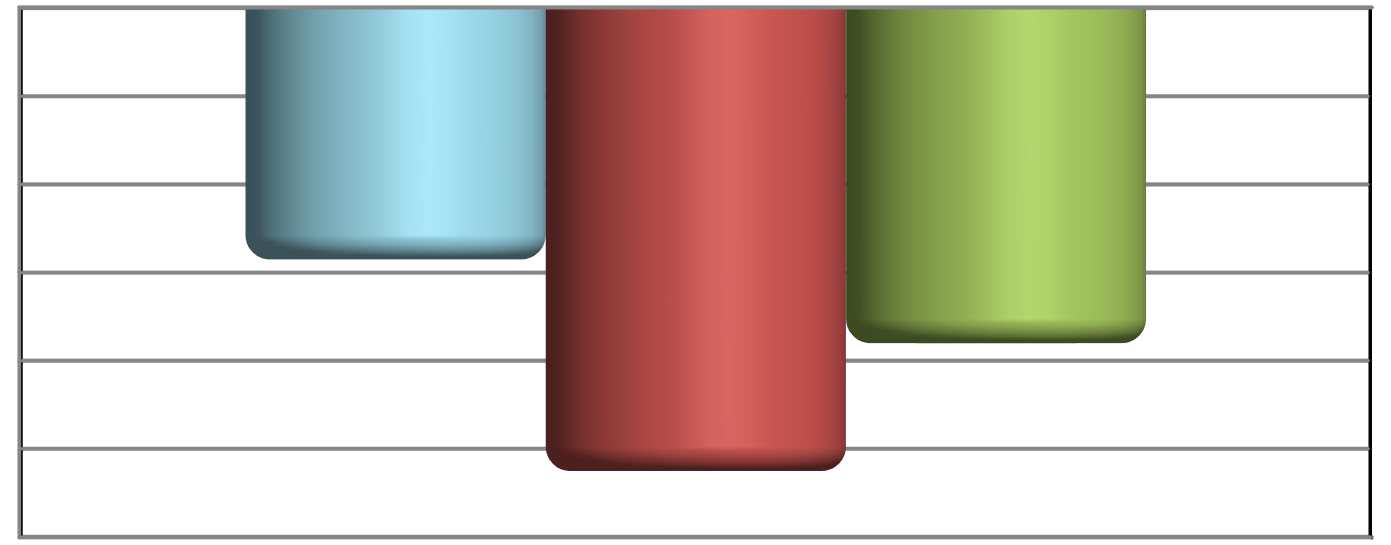
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standard Occupational Classification (SOC)** | | **Employment** | | **Change** | | **Annual Openings** | | | | **Education/Training Assignments** | |
| **Code** | **Title** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric** | **Percent** | **Exits** | **Transfers** | **Change** | **Total** | **Work Experience** | **Job Training** |
| **Doctoral or Professional Degree** | | | | | | | | | | | |
| 23-1011 | Lawyers | 4,010 | 4,063 | 53 | 1.32% | 85 | 94 | 26 | 205 | None | None |
| 25-1042 | Biological Science Teachers, Postsecondary | 1,713 | 1,731 | 18 | 1.05% | 64 | 64 | 9 | 137 | None | None |
| 29-1051 | Pharmacists | 3,169 | 3,151 | -18 | -0.57% | 66 | 56 | -9 | 113 | None | None |
| **Master’s Degree** | | | | | | | | | | | |
| 29-1171 | Nurse Practitioners | 2,714 | 2,980 | 266 | 9.80% | 59 | 82 | 133 | 274 | None | None |
| 21-1012 | Educational, Guidance, School, and Vocational Counselors | 2,250 | 2,278 | 28 | 1.24% | 74 | 125 | 14 | 213 | None | None |
| 11-9032 | Education Administrators, Elementary and Secondary School | 2,506 | 2,528 | 22 | 0.88% | 62 | 102 | 11 | 175 | 5+ | None |
| **Bachelor’s Degree** | | | | | | | | | | | |
| 11-1021 | General and Operations Managers | 21,963 | 22,214 | 251 | 1.14% | 448 | 1,192 | 126 | 1,766 | 5+ | None |
| 29-1141 | Registered Nurses | 26,495 | 26,664 | 169 | 0.64% | 720 | 553 | 84 | 1,357 | None | None |
| 21-2011 | Clergy | 11,962 | 12,274 | 312 | 2.61% | 516 | 623 | 156 | 1,295 | None | MTOJT |
| **Associate’s Degree** | | | | | | | | | | | |
| 25-2011 | Preschool Teachers, Except Special Education | 5,090 | 5,066 | -24 | -0.47% | 204 | 253 | -12 | 445 | None | None |
| 23-2011 | Paralegals and Legal Assistants | 2,091 | 2,155 | 64 | 3.06% | 74 | 129 | 32 | 235 | None | None |
| 31-2021 | Physical Therapist Assistants | 1,364 | 1,397 | 33 | 2.42% | 54 | 89 | 16 | 159 | None | None |
| **Postsecondary Non-Degree Award/Some College, No Degree** | | | | | | | | | | | |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 39,567 | 39,287 | -280 | -0.71% | 1,616 | 2,359 | -140 | 3,835 | None | STOJT |
| 31-1131 | Nursing Assistants | 18,760 | 18,621 | -139 | -0.74% | 1,002 | 909 | -70 | 1,841 | None | None |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | 13,722 | 13,652 | -70 | -0.51% | 823 | 622 | -35 | 1,410 | None | MTOJT |
| **High School Diploma or Equivalent** | | | | | | | | | | | |
| 11-9013 | Farmers, Ranchers, and Other Agricultural Managers | 54,168 | 52,812 | -1,356 | -2.50% | 3,458 | 1,594 | -678 | 4,374 | 5+ | None |
| 43-9061 | Office Clerks, General | 28,538 | 28,194 | -344 | -1.21% | 1,554 | 1,546 | -172 | 2,928 | None | STOJT |
| 31-1120 | Home Health and Personal Care Aides | 22,842 | 22,863 | 21 | 0.09% | 1,410 | 1,165 | 10 | 2,585 | None | STOJT |
| **No Formal Educational Credential** | | | | | | | | | | | |
| 35-3023 | Fast Food and Counter Workers | 40,394 | 37,251 | -3,143 | -7.78% | 3,622 | 3,460 | -1,572 | 5,510 | None | STOJT |
| 41-2011 | Cashiers | 28,567 | 28,018 | -549 | -1.92% | 2,383 | 2,390 | -274 | 4,499 | None | STOJT |
| 41-2031 | Retail Salespersons | 38,185 | 36,892 | -1,293 | -3.39% | 2,104 | 2,810 | -646 | 4,268 | None | STOJT |

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

# 2020-2022 Projections by Amount of Work Experience

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Amount of Work Experience** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| 5 years or more | 108,761 | 108,137 | -624 | -0.57% | 4,701 | 4,349 | -312 | 8,738 |
| Less than 5 years | 149,284 | 147,722 | -1,562 | -1.05% | 5,133 | 8,535 | -784 | 12,884 |
| None | 1,173,299 | 1,164,389 | -8,910 | -0.76% | 51,841 | 69,842 | -4,460 | 117,223 |

**Work Experience Outlook**



**Percent Growth by Amount of Work**

**Experience**

**0.00%**

**-0.20%**

**-0.40%**

**-0.57%**

**-1.05%**

**-0.60%**

**-0.76%**

**-0.80%**

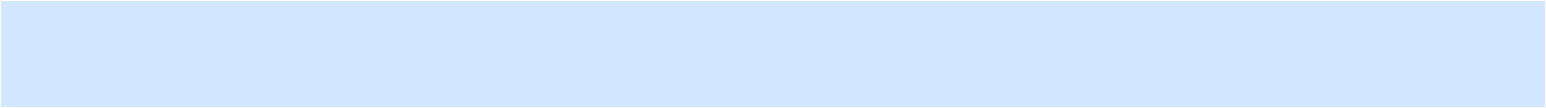
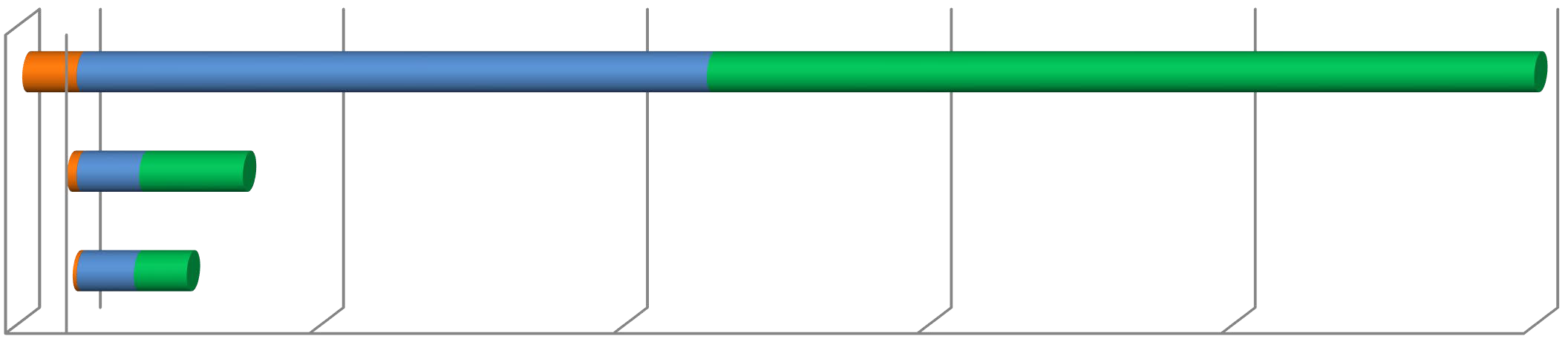
**-1.00%**

**-1.20%**

**5 or More Years**

**Less than 5 Years**

**None**



**Annual Openings by Amount of Work Experience**

**Exits Transfers Change Total**

**120,000**

**95,000**

**70,000**

**45,000**

**20,000**

**-5,000**

**8,738**

**More than 5 Years**

**12,884**

**Less than 5 Years**

**117,223**

**None**

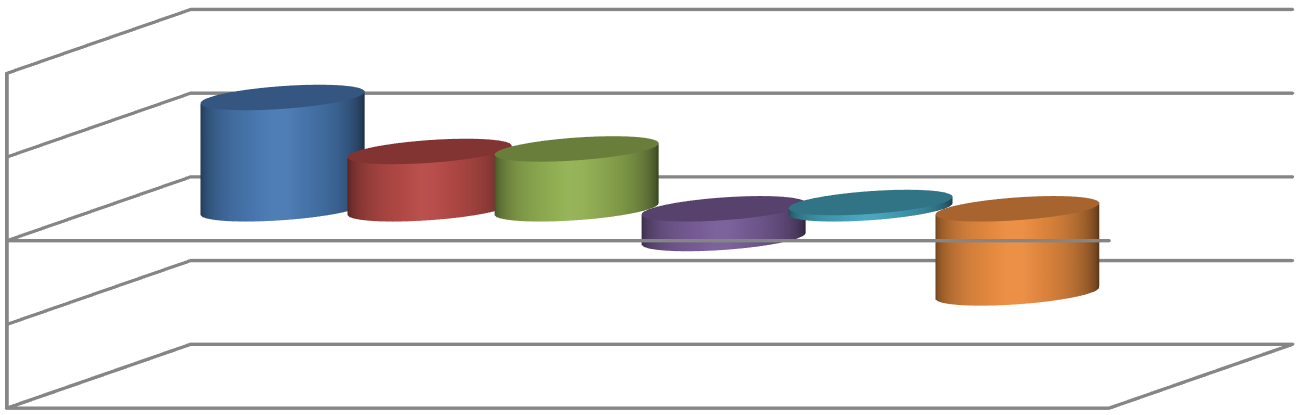
**Amount of Work Experience**

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

# 2020-2022 Projections by Type of On-the-Job Training

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Job Training** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual Openings** |
| Apprenticeship | 18,912 | 19,416 | 504 | 2.66% | 549 | 1,241 | 250 | 2,040 |
| Internship/residency | 14,045 | 14,237 | 192 | 1.37% | 306 | 402 | 97 | 805 |
| Long-term on-the-job training | 47,753 | 48,437 | 684 | 1.43% | 1,530 | 2,554 | 340 | 4,424 |
| Moderate-term on-the-job training | 268,630 | 266,721 | -1,909 | -0.71% | 9,680 | 15,835 | -956 | 24,559 |
| None | 518,986 | 519,743 | 757 | 0.15% | 18,232 | 23,645 | 373 | 42,250 |
| Short-term on-the-job training | 563,018 | 551,694 | -11,324 | -2.01% | 31,378 | 39,049 | -5,660 | 64,767 |

**Training Outlook**



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

**Training**

**4.00%**

**2.66%**

**1.37% 1.43%**

**0.15%**

**2.00%**

**0.00%**

**-2.00%**

**-0.71%**

**-2.01%**

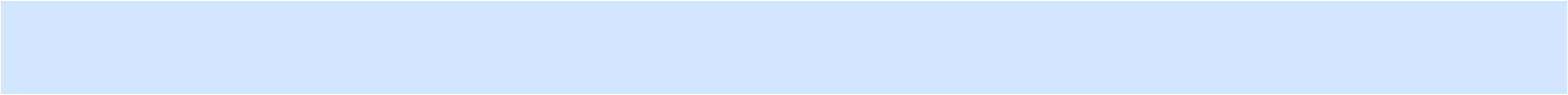
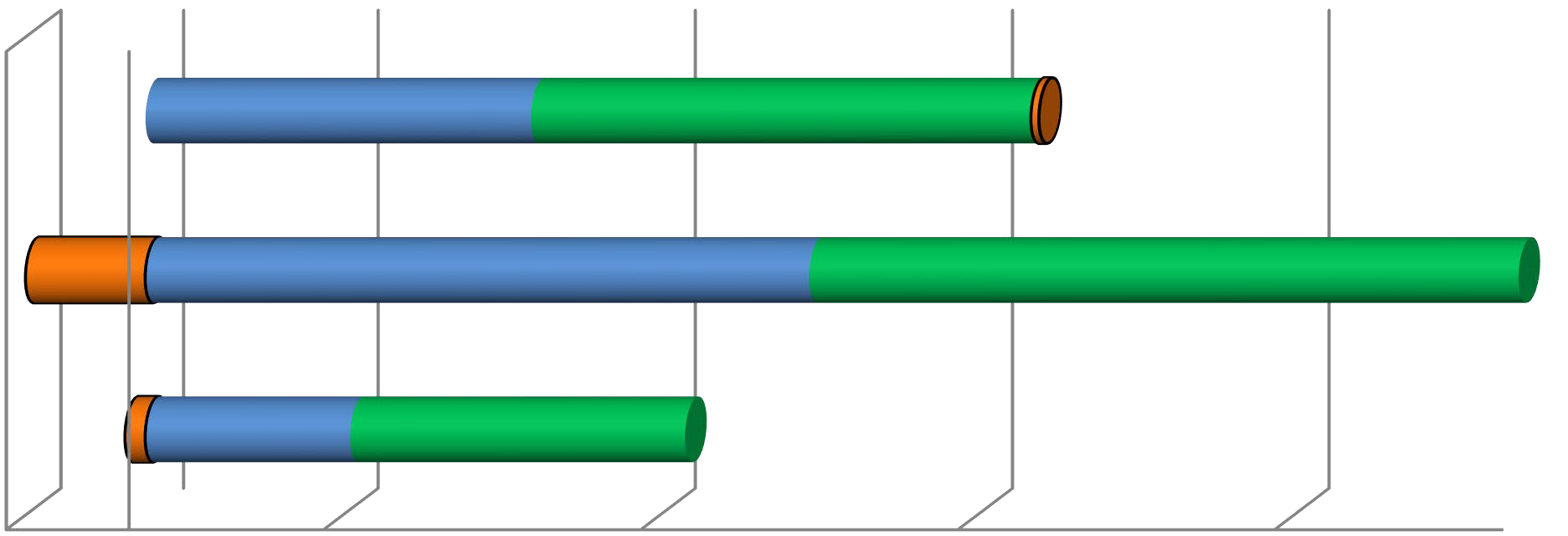
**-4.00%**

**Apprenticeship**

**Moderate-Term OJT**

**Internship/Residency Long-Term OJT**

**Short-Term OJT None**



**Annual Openings by Type of On-the-Job Training-Chart 1**

**42,250**

**None**

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

**64,767**

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

**24,559**

**-5,800**

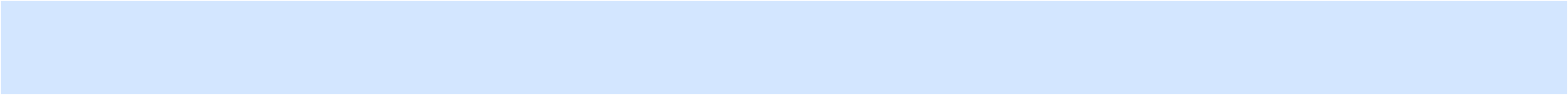
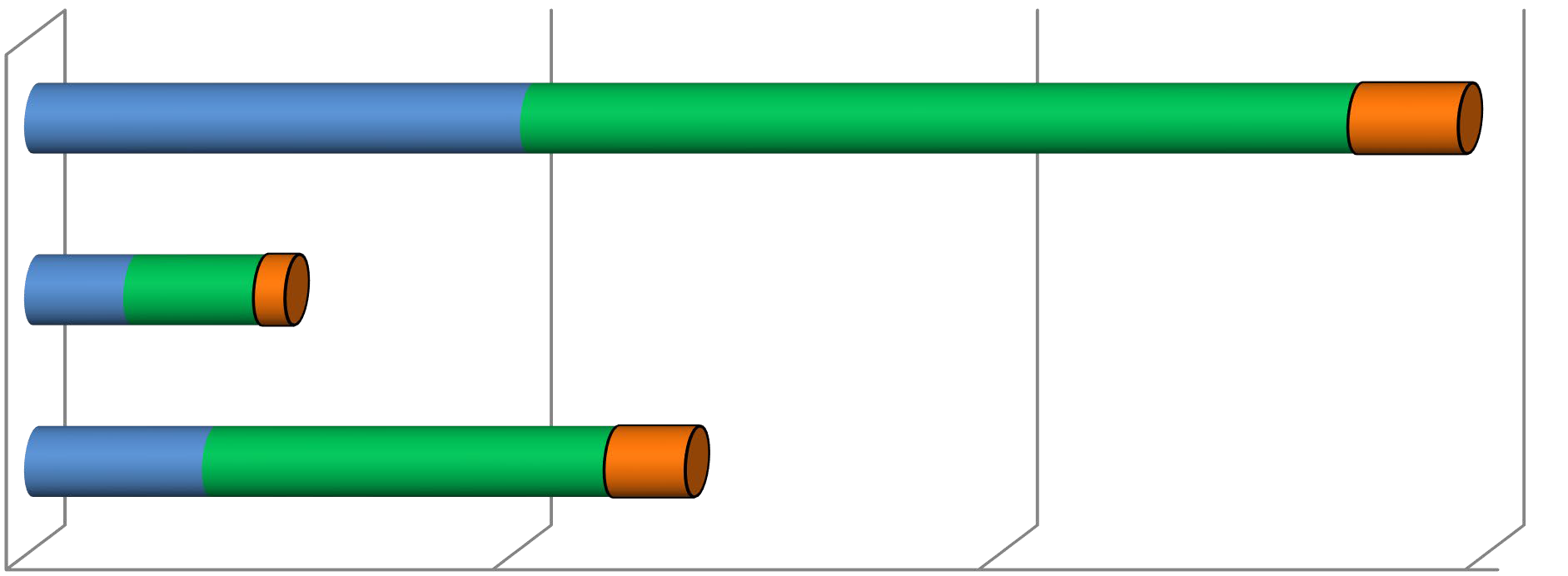
**9,200**

**24,200**

**39,200**

**54,200**

**Exits Transfers Change Total**



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

**4,424**

**Internship/Residency**

**805**

**Apprenticeship**

**2,040**

**0**

**1,500**

**3,000**

**4,500**

**Annual Openings by Type of On-the-Job Training-Chart 2**

**Exits Transfers Change Total**

Type of On-the-Job Training

Type of On-the-Job Training

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

# 2019-2021 Projections by Education Training Path

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education** | **Work Experience** | **Job Training** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total**  **Annual Openings** |
| **Doctoral or Professional Degree** | **5 Years or More** | **Short-Term On-the- Job Training** | 482 | 478 | -4 | -0.83% | 10 | 12 | -2 | 20 |
| **Doctoral or Professional Degree** | **Less than 5 Years** | **None** | 2,333 | 2,391 | 58 | 2.49% | 88 | 88 | 28 | 204 |
| **Doctoral or Professional Degree** | **None** | **Internship/Residency** | 7,135 | 7,200 | 65 | 0.91% | 122 | 106 | 32 | 260 |
| **Doctoral or Professional Degree** | **None** | **None** | 21,480 | 21,622 | 142 | 0.66% | 591 | 583 | 72 | 1,246 |
| **Master's Degree** | **5 Years or More** | **None** | 4,162 | 4,192 | 30 | 0.72% | 132 | 170 | 15 | 317 |
| **Master's Degree** | **Less than 5 Years** | **None** | 1,606 | 1,612 | 6 | 0.37% | 40 | 66 | 3 | 109 |
| **Master's Degree** | **None** | **Internship/Residency** | 5,000 | 5,098 | 98 | 1.96% | 128 | 227 | 50 | 405 |
| **Master's Degree** | **None** | **None** | 10,406 | 10,767 | 361 | 3.47% | 279 | 417 | 179 | 875 |
| **Bachelor's Degree** | **5 Years or More** | **None** | 42,098 | 42,703 | 605 | 1.44% | 868 | 2,103 | 302 | 3,273 |
| **Bachelor's Degree** | **Less than 5 Years** | **Moderate-Term On- the-Job Training** | 213 | 219 | 6 | 2.82% | 6 | 12 | 3 | 21 |
| **Bachelor's Degree** | **Less than 5 Years** | **None** | 40,889 | 41,480 | 591 | 1.45% | 1,181 | 1,948 | 296 | 3,425 |
| **Bachelor's Degree** | **Less than 5 Years** | **Short-Term On-the- Job Training** | 229 | 238 | 9 | 3.93% | 8 | 13 | 4 | 25 |
| **Bachelor's Degree** | **None** | **Internship/Residency** | 1,910 | 1,939 | 29 | 1.52% | 56 | 69 | 15 | 140 |
| **Bachelor's Degree** | **None** | **Long-Term On-the- Job Training** | 4,796 | 4,834 | 38 | 0.79% | 167 | 219 | 19 | 405 |
| **Bachelor's Degree** | **None** | **Moderate-Term On- the-Job Training** | 33,373 | 34,065 | 692 | 2.07% | 1,079 | 1,758 | 349 | 3,186 |
| **Bachelor's Degree** | **None** | **None** | 155,091 | 156,615 | 1,524 | 0.98% | 4,578 | 6,596 | 760 | 11,935 |
| **Bachelor's Degree** | **None** | **Short-Term On-the- Job Training** | 924 | 918 | -6 | -0.65% | 19 | 50 | -3 | 66 |
| **Associate's Degree** | **Less than 5 Years** | **None** | 636 | 632 | -4 | -0.63% | 16 | 20 | -2 | 34 |
| **Associate's Degree** | **None** | **Long-Term On-the- Job Training** | 641 | 637 | -4 | -0.62% | 31 | 39 | -2 | 68 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education** | **Work Experience** | **Job Training** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual**  **Openings** |
| **Associate's Degree** | **None** | **Moderate-Term On- the-Job Training** | 1,747 | 1,785 | 38 | 2.18% | 46 | 123 | 20 | 189 |
| **Associate's Degree** | **None** | **None** | 23,831 | 24,033 | 202 | 0.85% | 756 | 1,094 | 100 | 1,950 |
| **Associate's Degree** | **None** | **Short-Term On-the- Job Training** | 290 | 276 | -14 | -4.83% | 10 | 19 | -7 | 22 |
| **Postsecondary Non-Degree Award** | **5 Years or More** | **Moderate-Term On- the-Job Training** | 29 | 30 | 1 | 3.45% | 2 | 2 | 0 | 4 |
| **Postsecondary Non-Degree Award** | **Less than 5 Years** | **Moderate-Term On- the-Job Training** | 1,317 | 1,357 | 40 | 3.04% | 29 | 50 | 20 | 99 |
| **Postsecondary Non-Degree Award** | **Less than 5 Years** | **None** | 301 | 292 | -9 | -2.99% | 13 | 22 | -5 | 30 |
| **Postsecondary Non-Degree Award** | **Less than 5 Years** | **Short-Term On-the- Job Training** | 834 | 865 | 31 | 3.72% | 24 | 39 | 16 | 79 |
| **Postsecondary Non-Degree Award** | **None** | **Long-Term On-the- Job Training** | 6,865 | 7,068 | 203 | 2.96% | 169 | 360 | 101 | 630 |
| **Postsecondary Non-Degree Award** | **None** | **Moderate-Term On- the-Job Training** | 1,900 | 1,887 | -13 | -0.68% | 56 | 132 | -7 | 181 |
| **Postsecondary Non-Degree Award** | **None** | **None** | 52,681 | 52,867 | 186 | 0.35% | 2,267 | 2,469 | 92 | 4,828 |
| **Postsecondary Non-Degree Award** | **None** | **Short-Term On-the- Job Training** | 47,029 | 46,702 | -327 | -0.70% | 1,827 | 2,801 | -163 | 4,465 |
| **Some College, No Degree** | **None** | **Long-Term On-the- Job Training** | 60 | 56 | -4 | -6.67% | 2 | 4 | -2 | 4 |
| **Some College, No Degree** | **None** | **Moderate-Term On- the-Job Training** | 13,722 | 13,652 | -70 | -0.51% | 823 | 622 | -35 | 1,410 |
| **Some College, No Degree** | **None** | **None** | 15,072 | 15,117 | 45 | 0.30% | 648 | 682 | 23 | 1,353 |
| **Some College, No Degree** | **None** | **Short-Term On-the- Job Training** | 1,664 | 1,666 | 2 | 0.12% | 56 | 109 | 2 | 167 |
| **High School Diploma or Equivalent** | **5 Years or More** | **Long-Term On-the- Job Training** | 4 | 4 | 0 | 0.00% | 0 | 0 | 0 | 0 |
| **High School Diploma or Equivalent** | **5 Years or More** | **Moderate-Term On- the-Job Training** | 947 | 961 | 14 | 1.48% | 46 | 56 | 7 | 109 |
| **High School Diploma or Equivalent** | **5 Years or More** | **None** | 61,039 | 59,769 | -1,270 | -2.08% | 3,643 | 2,006 | -634 | 5,015 |
| **High School Diploma or Equivalent** | **Less than 5 Years** | **Long-Term On-the- Job Training** | 471 | 461 | -10 | -2.12% | 12 | 38 | -5 | 45 |
| **High School Diploma or Equivalent** | **Less than 5 Years** | **Moderate-Term On- the-Job Training** | 4,642 | 4,729 | 87 | 1.87% | 127 | 224 | 42 | 393 |
| **High School Diploma or Equivalent** | **Less than 5 Years** | **None** | 84,937 | 83,236 | -1,701 | -2.00% | 3,023 | 5,218 | -851 | 7,390 |
| **High School Diploma or Equivalent** | **None** | **Apprenticeship** | 18,912 | 19,416 | 504 | 2.66% | 549 | 1,241 | 250 | 2,040 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Education** | **Work Experience** | **Job Training** | **2020**  **Estimated Employment** | **2022**  **Projected Employment** | **Numeric Change** | **Percent Change** | **Annual Exits** | **Annual Transfers** | **Annual Change** | **Total Annual**  **Openings** |
| **High School Diploma or Equivalent** | **None** | **Long-Term On-the- Job Training** | 30,537 | 31,076 | 539 | 1.77% | 931 | 1,628 | 269 | 2,828 |
| **High School Diploma or Equivalent** | **None** | **Moderate-Term On- the-Job Training** | 182,504 | 180,656 | -1,848 | -1.01% | 6,314 | 10,928 | -928 | 16,315 |
| **High School Diploma or Equivalent** | **None** | **None** | 2,424 | 2,415 | -9 | -0.37% | 109 | 163 | -5 | 267 |
| **High School Diploma or Equivalent** | **None** | **Short-Term On-the- Job Training** | 211,669 | 210,066 | -1,603 | -0.76% | 10,962 | 13,040 | -802 | 23,200 |
| **No Formal Educational Credential** | **Less than 5 Years** | **Moderate-Term On- the-Job Training** | 10,870 | 10,204 | -666 | -6.13% | 566 | 797 | -333 | 1,030 |
| **No Formal Educational Credential** | **Less than 5 Years** | **Short-Term On-the- Job Training** | 6 | 6 | 0 | 0.00% | 0 | 0 | 0 | 0 |
| **No Formal Educational Credential** | **None** | **Long-Term On-the- Job Training** | 4,379 | 4,301 | -78 | -1.78% | 218 | 266 | -40 | 444 |
| **No Formal Educational Credential** | **None** | **Moderate-Term On- the-Job Training** | 17,366 | 17,176 | -190 | -1.09% | 586 | 1,131 | -94 | 1,623 |
| **No Formal Educational Credential** | **None** | **Short-Term On-the- Job Training** | 299,891 | 290,479 | -9,412 | -3.14% | 18,462 | 22,966 | -4,705 | 36,724 |

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

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

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

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