



# State of Arkansas

## Long-Term Industry and Occupational Projections

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2012-2022

# STATE OF ARKANSAS LONG-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2012-2022



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State of Arkansas

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Except for ranking tables, the projections contained in this publication are summary level.  
To find a more detailed industry or occupation, go to <http://www.discover.arkansas.gov/>.  
See the Long-Term (Industry or Occupational) Employment Projections, and follow the steps on the screen.

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## Definitions of Important Terms

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

**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 as a whole, all states, and most major metropolitan areas.

**Employment** – The number of jobs in a business or firm at any given time.

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

**Fastest Growing/Declining** – Refers to percent growth. The higher the percent growth, the faster an industry or occupation is growing. For declining industries or occupations, the lower the percent growth, the faster it is declining.

**Generalized Work Activities** – The types of tasks that are common to many jobs.

**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.

**Net Growth** – The difference between projected employment and base employment.

**North American Industry Classification System (NAICS)** – A system used in assigning industry-designated code numbers to employers and/or establishments based on the nature of their activities, services rendered or products delivered; established by the U.S. Office of Management and Budget and used by all agencies for data compilation.

**Occupation** – A set of activities that employees are paid to perform; employees who perform the same tasks are in the same occupation, whether or not they are in the same industry.

**Occupational Employment Statistics (OES)** – A federal/state cooperative program that produces employment and wage estimates for over 700 occupations. These are estimates of the number of people employed in certain occupations and estimates of the wages paid to them. They are also used to gather occupational staffing patterns by industry that are used to project employment needs by occupation.

**Percent (%) Growth** – The rate at which an industry or occupation is expected to grow or decline.

**Projected Employment** – The average number of jobs expected to be in an industry or occupation in the future.

**Quarterly Census of Employment and Wages (QCEW)** – A federal/state cooperative program that produces employment and wage data for workers covered by State unemployment insurance laws and Federal workers covered by the Unemployment Compensation for Federal Employees Program; data is arranged by the type of industry according to the North American Industry Classification System (NAICS).

**Sector** – A level of industry classification under supersector according to the NAICS structure.

**Standard Occupational Classification (SOC)** – A coding system used by all federal statistical agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data.

**Subsector** – A level of industry classification under sector according to the NAICS structure.

**Supersector** – The top level of industry classification according to the NAICS structure.

# Introduction

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

This publication is divided into two main parts. The first part of the publication involves the industry projections. Several tables and graphs are used to show what is happening at the industry level in Arkansas. A written narrative 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 occupation level in Arkansas. A written narrative will highlight projections at the division level as well as key occupations within that division. Occupations are classified by Standard Occupational Classification (SOC) codes.

Information about annual job openings is included in this publication. Job openings are classified as one of two types: replacement or growth. The more replacement openings a specific occupation has, the higher the turnover for that occupation. It is important to look at both growth annual openings and replacement annual openings when determining whether a particular occupation is right for you.

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

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

# Methodology

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

## Data Development

Data development is accomplished by using three sources:

*The Quarterly Census of Employment and Wage reports.* 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 Survey.* This source provides employment information for non-covered establishments, which are railroads, the Federal Work Study Program, churches, religious-based schools, church-related day care centers, elected officials, commissioned insurance agents, and sheltered workshops.

*Agriculture employment.* This is obtained from the Census of Agriculture. The Census of Agriculture is taken every five years in years ending in two and seven. Information from the QCEW reports is used to make estimates for years following the Census year until the next Census.

## Industry Projections

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

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

## Occupational Projections

Occupational projections are produced by merging industries and occupations together into an industry-occupational matrix. This matrix is a table showing the occupational pattern of each industry (i.e., the ratios of employment by occupation in a specific industry). The statewide matrix is based on the Bureau of Labor Statistics’ Occupational Employment Statistics (OES) survey and uses a Standard Occupational Classification (SOC) code for each occupation. It uses the May OES semiannual survey of the year that corresponds to the base year to establish the staffing patterns and is provided through the Estimates Delivery System (EDS).

The occupational employment projections contained in this publication were created using the *Projection Suite* software, authorized by the U.S. Department of Labor and developed by the Utah Department of Workforce Services. The software applies occupational change factors to the projected patterns to form a projected matrix. Also, using national self-employment and unpaid family workers staffing patterns, the system generates base and projected employment for self-employed and unpaid family workers.

## Data Limitations

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

It is important to look at both net 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. Concerning occupational projections, it is important to look at both replacement and growth openings. Even if an occupation is in decline, it still may have openings to replace workers who leave the profession for various reasons.

# Explanation of Industry and Occupational Data

## Industry Projections

| NAICS Code  | NAICS Title  | 2012 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 2012 | 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 2012 to 2022 period | Percent change in the number of jobs in an industry over the 2012 to 2022 period |

## Occupational Projections

| SOC Code   | SOC Title   | 2012 Estimated Employment                                  | 2022 Projected Employment  | Net Growth  | Percent Growth   | Annual Openings-Growth   | Annual Openings-Replacement   | Total Annual Openings   | Education/ Training Codes   |
|--|---|--|--|---|--|--|---|---|---|
| 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 2012 | 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 2012 to 2022 period | Percent change in the number of jobs in an occupation over the 2012 to 2022 period | Average number of annual job openings expected to be created during the projection period due to employment growth | Average number of annual job openings expected to be created during the projection period due to the need to replace workers who leave the occupation | Average number of annual job openings expected to be created during the projection period due to employment growth and replacements | Level of training needed by most workers to become fully qualified in the occupation according to the Bureau of Labor Statistics. |

# State of Arkansas

Arkansas has 75 counties and 10 Local Workforce Investment 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 located in the state, but are based in other states. Crittenden County is part of the Memphis/West Memphis MSA, which is based in Tennessee, and Miller County is part of the Texarkana AR/TX MSA, which is based in Texas.

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

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

Arkansas's population based on the state Census Data Center estimates was 2,959,373, as of July 1, 2013, which is an increase of 9,545 residents from the 2012 Population Estimate. The non-seasonally adjusted average unemployment rate for first quarter 2014 was 7.6 percent, while the seasonally adjusted number was 7.1 percent.

## Local Workforce Investment Areas

### Northwest Arkansas Workforce Investment Area

Baxter, Benton, Boone, Carroll, Madison, Marion, Newton, Searcy, and Washington Counties

### North Central Arkansas Workforce Investment Area

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

### Northeast Arkansas Workforce Investment Area

Clay, Craighead, Greene, Lawrence, Mississippi, Poinsett, and Randolph Counties

### Western Arkansas Workforce Investment Area

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

### West Central Arkansas Workforce Investment Area

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

### Central Arkansas Workforce Investment Area

Faulkner, Lonoke, Monroe, Prairie, Saline, and Pulaski Counties, except the City of Little Rock

### City of Little Rock Workforce Investment Area

City Limits of Little Rock

### Eastern Arkansas Workforce Investment Area

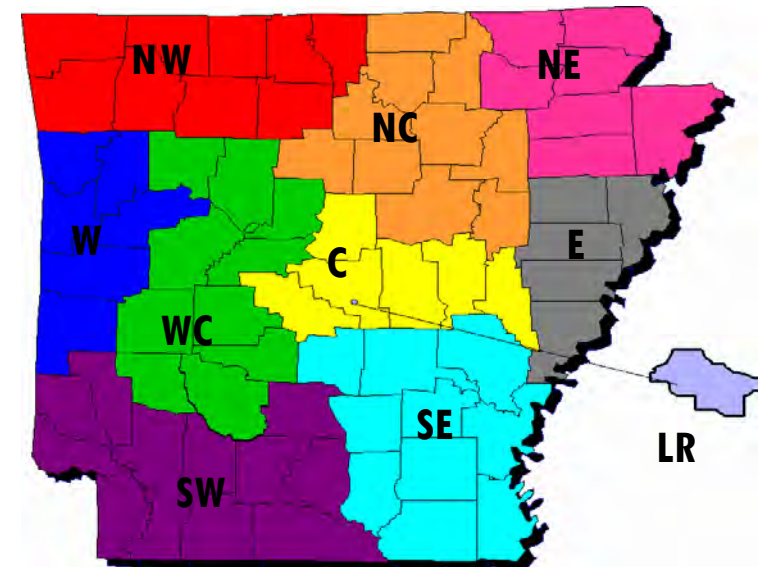
Crittenden, Cross, Lee, Phillips, and St. Francis Counties

### Southwest Arkansas Workforce Investment Area

Calhoun, Columbia, Dallas, Hempstead, Howard, Lafayette, Little River, Miller, Nevada, Ouachita, Sevier, and Union Counties

### Southeast Arkansas Workforce Investment Area

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





## 2012-2022 Arkansas Statewide Industry Projections by Major Division

| NAICS Code | NAICS Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth |
|------------|--|---------------------------|---------------------------|------------|----------------|
| 000000     | Total All Industries   | 1,299,188                 | 1,435,135                 | 135,947    | 10.46%         |
| 000671     | Total Self Employed and Unpaid Family Workers, All Jobs                  | 118,684                   | 122,215                   | 3,531      | 2.98%          |
| 006010     | Self Employed Workers, All Jobs  | 117,760                   | 121,362                   | 3,602      | 3.06%          |
| 007010     | Unpaid Family Workers, All Jobs  | 924                       | 853                       | -71        | -7.68%         |
| 101000     | Goods Producing  | 223,878                   | 236,630                   | 12,752     | 5.7%           |
| 101100     | Natural Resources and Mining   | 21,332                    | 22,902                    | 1,570      | 7.36%          |
| 110000     | Agriculture, Forestry, Fishing and Hunting                               | 12,642                    | 13,442                    | 800        | 6.33%          |
| 210000     | Mining   | 8,690                     | 9,460                     | 770        | 8.86%          |
| 101200     | Construction   | 47,287                    | 51,532                    | 4,245      | 8.98%          |
| 101300     | Manufacturing  | 155,259                   | 162,196                   | 6,937      | 4.47%          |
|            | Non-Durable Goods Manufacturing  | 78,506                    | 81,343                    | 2,837      | 3.61%          |
|            | Durable Goods Manufacturing  | 76,753                    | 80,853                    | 4,100      | 5.34%          |
| 102000     | Services Providing   | 956,626                   | 1,076,290                 | 119,664    | 12.51%         |
| 102100     | Trade, Transportation, and Utilities                                     | 241,545                   | 257,769                   | 16,224     | 6.72%          |
| 420000     | Wholesale Trade  | 47,427                    | 50,555                    | 3,128      | 6.6%           |
| 440000     | Retail Trade   | 132,431                   | 141,117                   | 8,686      | 6.56%          |
| 480000     | Transportation and Warehousing   | 53,660                    | 57,804                    | 4,144      | 7.72%          |
| 220000     | Utilities  | 8,027                     | 8,293                     | 266        | 3.31%          |
| 102200     | Information  | 14,461                    | 14,254                    | -207       | -1.43%         |
| 102300     | Financial Activities   | 49,403                    | 53,300                    | 3,897      | 7.89%          |
| 520000     | Finance and Insurance  | 36,189                    | 39,045                    | 2,856      | 7.89%          |
| 530000     | Real Estate and Rental and Leasing                                       | 13,214                    | 14,255                    | 1,041      | 7.88%          |
| 102400     | Professional and Business Services                                       | 124,285                   | 136,833                   | 12,548     | 10.1%          |
| 540000     | Professional, Scientific, and Technical Services                         | 38,548                    | 41,900                    | 3,352      | 8.7%           |
| 550000     | Management of Companies and Enterprises                                  | 30,448                    | 33,296                    | 2,848      | 9.35%          |
| 560000     | Administrative and Support and Waste Management and Remediation Services | 55,289                    | 61,637                    | 6,348      | 11.48%         |
| 102500     | Education and Health Services  | 280,681                   | 334,510                   | 53,829     | 19.18%         |
| 610000     | Educational Services   | 112,224                   | 126,981                   | 14,757     | 13.15%         |
| 620000     | Health Care and Social Assistance  | 168,457                   | 207,529                   | 39,072     | 23.19%         |
| 102600     | Leisure and Hospitality  | 102,727                   | 123,541                   | 20,814     | 20.26%         |
| 710000     | Arts, Entertainment, and Recreation                                      | 9,638                     | 10,353                    | 715        | 7.42%          |
| 720000     | Accommodation and Food Services  | 93,089                    | 113,188                   | 20,099     | 21.59%         |
| 102700     | Other Services (except Government)                                       | 44,494                    | 49,850                    | 5,356      | 12.04%         |
| 102800     | Government   | 99,030                    | 106,233                   | 7,203      | 7.27%          |

# Industry Outlook

Arkansas's industries are projected to add 135,947 new jobs over the 2012-2022 projection period. **Goods-Producing** industries are expected to add 12,752 new jobs while the **Service-Providing** industries should see the majority of the growth, with 119,664 new jobs being added.

The **Natural Resources and Mining** supersector is expected to gain 1,570 jobs during the projection period. The **Agriculture, Forestry, Fishing, and Hunting** sector should see the largest gains with 800 jobs over the projection period, but Logging is expected to lose 158 jobs or a loss of 7.88 percent, placing it on both the Top 20 Declining Industries by Net Growth and the Top 20 Declining Industries for Percent Growth. The **Mining** sector could see an added 770 jobs, with the largest addition to this sector being in *Support Activities for Mining* with 475 jobs being added by 2022.

The **Construction** supersector is estimated to add 4,245 jobs during the projection period. The *Specialty Trade Contractors* subsector should see the largest growth with 3,005 new jobs over the 10-year period, with Building Equipment Contractors adding 1,407 of those jobs or a growth of 9.36 percent.

The **Manufacturing** supersector is expected to increase by 6,937 jobs by 2022, with **Non-Durable Goods** projected to gain 2,837 jobs and the *Food Manufacturing* subsector leading this area with 2,294 new jobs expected, with 2,227 new jobs projected to be added in Animal Slaughtering and Processing, placing it on the Top 20 Growing Industries by Net Growth.

**Durable Goods Manufacturing** is also expecting gains with 4,100 jobs expected over the next 10 years. The largest increase in jobs should be seen in the *Primary Metal Manufacturing* subsector, with 1,809 jobs anticipated overall. Durable Goods Manufacturing also has industries on the Top 20 Fastest Growing Industries by Percent Growth list, with Engine, Turbine, and Power Transmission Equipment Manufacturing topping the list with a 65.62 percent growth anticipated. But losses in several **Manufacturing** sectors place on both the Top 20 Declining Industries by Net Growth and Top 20 Declining Industries by Percent Growth.

The **Trade, Transportation, and Utilities** supersector is projected to gain 16,224 jobs over the 10-year period. **Wholesale Trade** could see an increase of 3,128 jobs with the *Merchant Wholesalers, Durable Goods* subsector seeing the largest increase in this sector with 1,643 new jobs. **Retail Trade** could increase by 8,686 jobs over the projection period. **Retail Trade** will see growth in every subsector, except *Nonstore Retailers*, which is expected to lose 68 jobs. Gasoline Stations is expected to see an increase of 1,091 employees over the projection period.

**Transportation and Warehousing** is projected to add 4,144 jobs. *Truck Transportation* should increase by 3,632 jobs with General Freight Trucking adding 2,440 of those jobs, placing it on the Top 20 Growing Industries by Net Growth. **Utilities** is expected to gain 266 jobs by 2022, but an expected loss of 202 jobs in Natural Gas Distribution will be offset by gains in Electric Power Generation, Transmission and Distribution and Water, Sewage and Other Systems with 336 and 132 jobs respectively.

The **Information** supersector could lose 207 jobs during the projection period. The *Telecommunications* subsector could see a significant loss of 255 jobs over the projections period, with 384 jobs lost in Wired Telecommunications Carriers. Newspaper, Periodical, Book, and Directory Publishers of the *Publishing Industries (except Internet)* could see a loss of 197 jobs, a decline of 5.58 percent. Both industries place on the Top 20 Declining Industries by Net Growth.

The **Financial Activities** supersector is projected to add 3,897 new jobs, with the **Finance and Insurance** sector accounting for 2,856 of those new jobs. Agencies, Brokerages, and Other Insurance Related Activities is expected to add 1,428 new jobs by 2022. Activities Related to Credit Intermediation should see a 43.60 percent growth over the projection period, placing it on the Top 20 Fastest Growing Industries by Percent Growth.

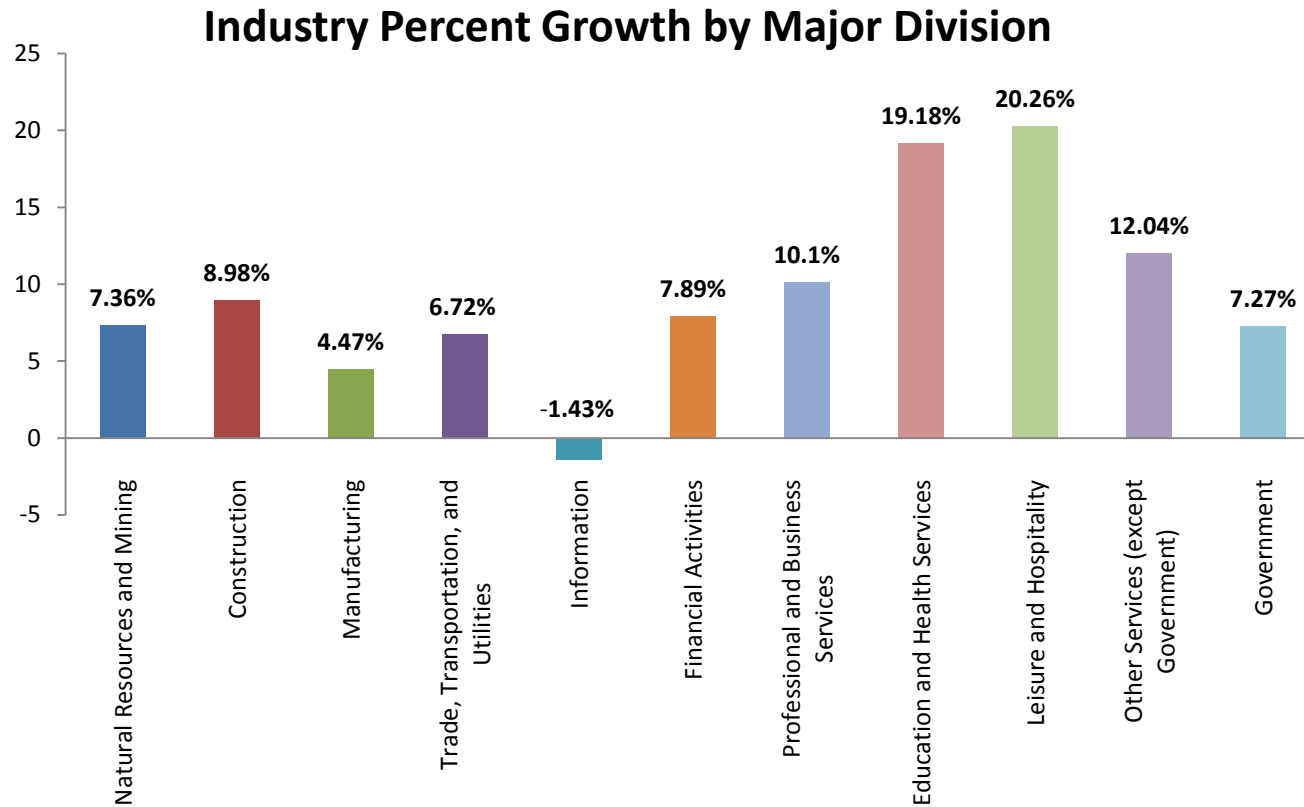
The **Professional and Business Services** supersector is expected to add 12,548 jobs by 2022. The **Administrative and Support and Waste Management and Remediation Services** sector could see the largest growth with 6,348 new jobs. **Professional, Scientific, and Technical Services** should anticipate 3,352 jobs over the projection period. Employment Services should see the most growth in *Administrative and Support Services* with an estimated 2,050 new jobs, placing it on the Top 20 Growing Industries by Net Growth.

**Education and Health Services** is projected to be the top growing supersector in the state, with 53,829 new jobs being added by 2022. *Educational Services* could see a growth of 14,757 jobs. Elementary and Secondary Schools should see most of this growth with 6,957 jobs added. **Health Care and Social Assistance** could also see a large growth with 39,072 jobs expected. Of those jobs, 14,542 should be found in the *Social Assistance* sector. This supersector has 11 industries placing on both the Top 20 Industries by Net Growth and Top 20 Industries by Percent Growth lists.

The **Leisure and Hospitality** supersector is expected to add 20,814 jobs during the projection period. **Accommodation and Food Services** should lead the supersector with 20,099 new jobs projected. The majority of these jobs could be found in *Food Services and Drinking Places*, with 19,162 jobs expected. Restaurants and Other Eating Places will see the most growth with 18,430 jobs, placing the sector at the top of the Top 20 Growing Industries by Net Growth. **Arts, Entertainment, and Recreation** could see 715 new jobs over the projection period, with no losses expected in any of the sectors.

The **Other Services (Except Government)** supersector could add 5,356 new jobs by 2022. *Religious, Grantmaking, Civic, Professional, and Similar Organizations* could lead the supersector with 3,399 jobs. Personal Care Services could see 667 of the 886 new jobs found in the *Personal and Laundry Services* sector. *Private Households* should see a gain of 90 jobs during the projection period.

The **Government** supersector is projected to grow by 7,203 jobs during the 10-year period. *State, Government, Excluding Education and Hospitals* should see 3,338 new jobs while *Local Government, Excluding Education and Hospitals* could see a growth of 3,525 new jobs, placing both on the Top 20 Growing Industries by Net Growth. *Total Federal Government Employment* could see a growth of 340 jobs. The Postal Service should see a decrease of 954 jobs by 2022, offsetting the gain of 1,294 jobs in Federal Government, Excluding Post Office, placing it on the Top 20 Declining Industries by Net Growth.



## Top 20 Growing Industries by Net Growth

| NAICS Code | NAICS Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth    | Percent Growth |
|------------|---|---------------------------|---------------------------|---------------|----------------|
| 722500     | Restaurants and Other Eating Places   | 78,335                    | 96,765                    | <b>18,430</b> | 23.53%         |
| 624100     | Individual and Family Services  | 21,231                    | 32,745                    | <b>11,514</b> | 54.23%         |
| 611100     | Elementary and Secondary Schools  | 75,747                    | 82,704                    | <b>6,957</b>  | 9.18%          |
| 621100     | Offices of Physicians   | 22,062                    | 27,528                    | <b>5,466</b>  | 24.78%         |
| 611300     | Colleges, Universities, and Professional Schools                                      | 25,318                    | 30,424                    | <b>5,106</b>  | 20.17%         |
| 622100     | General Medical and Surgical Hospitals  | 47,604                    | 52,088                    | <b>4,484</b>  | 9.42%          |
| 623100     | Nursing Care Facilities (Skilled Nursing Facilities)                                  | 22,944                    | 26,854                    | <b>3,910</b>  | 17.04%         |
| 999300     | Local Government, Excluding Education and Hospitals                                   | 40,519                    | 44,044                    | <b>3,525</b>  | 8.70%          |
| 999200     | State Government, Excluding Education and Hospitals                                   | 37,404                    | 40,742                    | <b>3,338</b>  | 8.92%          |
| 551000     | <i>Management of Companies and Enterprises</i>  | 30,448                    | 33,296                    | <b>2,848</b>  | 9.35%          |
| 813100     | Religious Organizations   | 19,535                    | 22,298                    | <b>2,763</b>  | 14.14%         |
| 484100     | General Freight Trucking  | 26,087                    | 28,527                    | <b>2,440</b>  | 9.35%          |
| 311600     | Animal Slaughtering and Processing  | 29,580                    | 31,807                    | <b>2,227</b>  | 7.53%          |
| 561300     | Employment Services   | 21,916                    | 23,966                    | <b>2,050</b>  | 9.35%          |
| 561400     | Business Support Services   | 8,888                     | 10,731                    | <b>1,843</b>  | 20.74%         |
| 624400     | Child Day Care Services   | 9,768                     | 11,571                    | <b>1,803</b>  | 18.46%         |
| 623300     | Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly | 3,059                     | 4,820                     | <b>1,761</b>  | 57.57%         |
| 611200     | Junior Colleges   | 7,727                     | 9,428                     | <b>1,701</b>  | 22.01%         |
| 621300     | Offices of Other Health Practitioners   | 7,015                     | 8,648                     | <b>1,633</b>  | 23.28%         |
| 425000     | <i>Wholesale Electronic Markets and Agents and Brokers</i>                            | 10,615                    | 12,107                    | <b>1,492</b>  | 14.06%         |

## Top 20 Fastest Growing Industries by Percent Growth (Minimum employment of 100)

| NAICS Code | NAICS Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth |
|------------|---|---------------------------|---------------------------|------------|----------------|
| 333600     | Engine, Turbine, and Power Transmission Equipment Manufacturing                       | 701                       | 1,161                     | 460        | <b>65.62%</b>  |
| 623300     | Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly | 3,059                     | 4,820                     | 1,761      | <b>57.57%</b>  |
| 624100     | Individual and Family Services  | 21,231                    | 32,745                    | 11,514     | <b>54.23%</b>  |
| 522300     | Activities Related to Credit Intermediation   | 344                       | 494                       | 150        | <b>43.60%</b>  |
| 325900     | Other Chemical Product and Preparation Manufacturing                                  | 800                       | 1,125                     | 325        | <b>40.62%</b>  |
| 621500     | Medical and Diagnostic Laboratories   | 968                       | 1,314                     | 346        | <b>35.74%</b>  |
| 611500     | Technical and Trade Schools   | 1,180                     | 1,601                     | 421        | <b>35.68%</b>  |
| 622200     | Psychiatric and Substance Abuse Hospitals   | 3,168                     | 4,254                     | 1,086      | <b>34.28%</b>  |
| 562100     | Waste Collection  | 1,038                     | 1,373                     | 335        | <b>32.27%</b>  |
| 331100     | Iron and Steel Mills and Ferroalloy Manufacturing                                     | 2,402                     | 3,177                     | 775        | <b>32.26%</b>  |
| 621400     | Outpatient Care Centers   | 3,926                     | 5,112                     | 1,186      | <b>30.21%</b>  |
| 611700     | Educational Support Services  | 444                       | 576                       | 132        | <b>29.73%</b>  |
| 424800     | Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers                     | 1,267                     | 1,623                     | 356        | <b>28.10%</b>  |
| 813200     | Grantmaking and Giving Services   | 603                       | 762                       | 159        | <b>26.37%</b>  |
| 511200     | Software Publishers   | 305                       | 383                       | 78         | <b>25.57%</b>  |
| 611600     | Other Schools and Instruction   | 1,704                     | 2,133                     | 429        | <b>25.18%</b>  |
| 327900     | Other Nonmetallic Mineral Product Manufacturing                                       | 557                       | 697                       | 140        | <b>25.13%</b>  |
| 621900     | Other Ambulatory Health Care Services   | 2,566                     | 3,204                     | 638        | <b>24.86%</b>  |
| 621100     | Offices of Physicians   | 22,062                    | 27,528                    | 5,466      | <b>24.78%</b>  |
| 624300     | Vocational Rehabilitation Services  | 3,839                     | 4,787                     | 948        | <b>24.69%</b>  |

## Top 20 Declining Industries by Net Growth

| NAICS Code | NAICS Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth  | Percent Growth |
|------------|---|---------------------------|---------------------------|-------------|----------------|
| 491100     | Postal Service  | 5,603                     | 4,649                     | <b>-954</b> | -17.03%        |
| 335300     | Electrical Equipment Manufacturing                                    | 3,469                     | 2,984                     | <b>-485</b> | -13.98%        |
| 322100     | Pulp, Paper, and Paperboard Mills                                     | 4,232                     | 3,789                     | <b>-443</b> | -10.47%        |
| 326100     | Plastics Product Manufacturing  | 6,375                     | 5,954                     | <b>-421</b> | -6.60%         |
| 517100     | Wired Telecommunications Carriers                                     | 3,716                     | 3,332                     | <b>-384</b> | -10.33%        |
| 311400     | Fruit and Vegetable Preserving and Specialty Food Manufacturing       | 4,621                     | 4,242                     | <b>-379</b> | -8.20%         |
| 424900     | Miscellaneous Nondurable Goods Merchant Wholesalers                   | 3,494                     | 3,125                     | <b>-369</b> | -10.56%        |
| 424400     | Grocery and Related Product Wholesalers                               | 4,950                     | 4,707                     | <b>-243</b> | -4.91%         |
| 221200     | Natural Gas Distribution  | 1,271                     | 1,069                     | <b>-202</b> | -15.89%        |
| 336400     | Aerospace Product and Parts Manufacturing                             | 3,228                     | 3,027                     | <b>-201</b> | -6.23%         |
| 511100     | Newspaper, Periodical, Book, and Directory Publishers                 | 3,528                     | 3,331                     | <b>-197</b> | -5.58%         |
| 113300     | Logging   | 2,005                     | 1,847                     | <b>-158</b> | -7.88%         |
| 337100     | Household and Institutional Furniture & Kitchen Cabinet Manufacturing | 2,259                     | 2,126                     | <b>-133</b> | -5.89%         |
| 423300     | Lumber and Other Construction Materials Merchant Wholesalers          | 1,322                     | 1,193                     | <b>-129</b> | -9.76%         |
| 424500     | Farm Product Raw Material Merchant Wholesalers                        | 860                       | 739                       | <b>-121</b> | -14.07%        |
| 323000     | <i>Printing and Related Support Activities</i>                        | 4,064                     | 3,947                     | <b>-117</b> | -2.88%         |
| 334400     | Semiconductor and Other Electronic Component Manufacturing            | 1,920                     | 1,804                     | <b>-116</b> | -6.04%         |
| 339900     | Other Miscellaneous Manufacturing                                     | 1,745                     | 1,632                     | <b>-113</b> | -6.48%         |
| 332200     | Cutlery and Handtool Manufacturing                                    | 846                       | 747                       | <b>-99</b>  | -11.70%        |

## Top 20 Fastest Declining Industries by Percent Growth (Net Growth no greater than -5)

| NAICS Code | NAICS Title  | 2012 Estimated Employment | 2020 Projected Employment | Net Growth | Percent Growth |
|------------|--|---------------------------|---------------------------|------------|----------------|
| 337900     | Other Furniture Related Product Manufacturing                                  | 94                        | 76                        | -18        | <b>-19.15%</b> |
| 454200     | Vending Machine Operators  | 483                       | 397                       | -86        | <b>-17.81%</b> |
| 491100     | Postal Service   | 5,603                     | 4,649                     | -954       | <b>-17.03%</b> |
| 221200     | Natural Gas Distribution   | 1,271                     | 1,069                     | -202       | <b>-15.89%</b> |
| 332600     | Spring and Wire Product Manufacturing  | 401                       | 338                       | -63        | <b>-15.71%</b> |
| 334500     | Navigational, Measuring, Electromedical, and Control Instruments Manufacturing | 502                       | 426                       | -76        | <b>-15.14%</b> |
| 424500     | Farm Product Raw Material Merchant Wholesalers                                 | 860                       | 739                       | -121       | <b>-14.07%</b> |
| 335300     | Electrical Equipment Manufacturing   | 3,469                     | 2,984                     | -485       | <b>-13.98%</b> |
| 423200     | Furniture and Home Furnishing Merchant Wholesalers                             | 396                       | 343                       | -53        | <b>-13.38%</b> |
| 332200     | Cutlery and Handtool Manufacturing   | 846                       | 747                       | -99        | <b>-11.70%</b> |
| 424900     | Miscellaneous Nondurable Goods Merchant Wholesalers                            | 3,494                     | 3,125                     | -369       | <b>-10.56%</b> |
| 322100     | Pulp, Paper, and Paperboard Mills  | 4,232                     | 3,789                     | -443       | <b>-10.47%</b> |
| 517100     | Wired Telecommunications Carriers  | 3,716                     | 3,332                     | -384       | <b>-10.33%</b> |
| 424200     | Drugs and Druggists' Sundries Merchant Wholesalers                             | 929                       | 837                       | -92        | <b>-9.90%</b>  |
| 423300     | Lumber and Other Construction Materials Merchant Wholesalers                   | 1,322                     | 1,193                     | -129       | <b>-9.76%</b>  |
| 311400     | Fruit and Vegetable Preserving and Specialty Food Manufacturing                | 4,621                     | 4,242                     | -379       | <b>-8.20%</b>  |
| 331400     | Nonferrous Metal (except Aluminum) Production and Processing                   | 663                       | 610                       | -53        | <b>-7.99%</b>  |
| 113300     | Logging  | 2,005                     | 1,847                     | -158       | <b>-7.88%</b>  |
| 113132     | Forestry   | 204                       | 188                       | -16        | <b>-7.84%</b>  |
| 326100     | Plastics Product Manufacturing   | 6,375                     | 5,954                     | -421       | <b>-6.60%</b>  |

# 2012-2022 Arkansas Statewide Long-Term Industry Projections

| NAICS Code    | NAICS Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth     | Percent Growth |
|---------------|--|---------------------------|---------------------------|----------------|----------------|
| <b>000000</b> | <b>Total All Industries</b>                                    | <b>1,299,188</b>          | <b>1,435,135</b>          | <b>135,947</b> | <b>10.46%</b>  |
| <b>000067</b> | <b>Self Employed and Unpaid Family Workers, All Jobs</b>       | <b>118,684</b>            | <b>122,215</b>            | <b>3,531</b>   | <b>2.98%</b>   |
| <b>000670</b> | <b>Self Employed and Unpaid Family Workers, All Jobs</b>       | <b>118,684</b>            | <b>122,215</b>            | <b>3,531</b>   | <b>2.98%</b>   |
| 000671        | <i>Total Self Employed and Unpaid Family Workers, All Jobs</i> | 118,684                   | 122,215                   | 3,531          | 2.98%          |
| 006010        | Self Employed Workers, All Jobs                                | 117,760                   | 121,362                   | 3,602          | 3.06%          |
| 007010        | Unpaid Family Workers, All Jobs                                | 924                       | 853                       | -71            | -7.68%         |
| 101000        | <i>Goods Producing</i>   | 223,878                   | 236,630                   | 12,752         | 5.70%          |
| <b>101100</b> | <b>Natural Resources and Mining</b>                            | <b>21,332</b>             | <b>22,902</b>             | <b>1,570</b>   | <b>7.36%</b>   |
| <b>110000</b> | <b>Agriculture, Forestry, Fishing and Hunting</b>              | <b>12,642</b>             | <b>13,442</b>             | <b>800</b>     | <b>6.33%</b>   |
| 111000        | <i>Crop Production</i>   | 4,183                     | 4,574                     | 391            | 9.35%          |
| 112000        | <i>Animal Production</i>                                       | 3,049                     | 3,334                     | 285            | 9.35%          |
| 113000        | <i>Forestry and Logging</i>                                    | 2,209                     | 2,035                     | -174           | -7.88%         |
| 113132        | Forestry   | 204                       | 188                       | -16            | -7.84%         |
| 113300        | Logging  | 2,005                     | 1,847                     | -158           | -7.88%         |
| 114000        | <i>Fishing, Hunting and Trapping</i>                           | 21                        | 22                        | 1              | 4.76%          |
| 115000        | <i>Support Activities for Agriculture and Forestry</i>         | 3,180                     | 3,477                     | 297            | 9.34%          |
| <b>210000</b> | <b>Mining</b>  | <b>8,690</b>              | <b>9,460</b>              | <b>770</b>     | <b>8.86%</b>   |
| 211000        | <i>Oil and Gas Extraction</i>                                  | 1,536                     | 1,815                     | 279            | 18.16%         |
| 212000        | <i>Mining (except Oil and Gas)</i>                             | 2,079                     | 2,095                     | 16             | 0.77%          |
| 213000        | <i>Support Activities for Mining</i>                           | 5,075                     | 5,550                     | 475            | 9.36%          |
| <b>101200</b> | <b>Construction</b>  | <b>47,287</b>             | <b>51,532</b>             | <b>4,245</b>   | <b>8.98%</b>   |
| <b>230000</b> | <b>Construction</b>  | <b>47,287</b>             | <b>51,532</b>             | <b>4,245</b>   | <b>8.98%</b>   |
| 236000        | <i>Construction of Buildings</i>                               | 9,681                     | 10,587                    | 906            | 9.36%          |
| 236100        | Residential Building Construction                              | 2,642                     | 2,889                     | 247            | 9.35%          |
| 236200        | Nonresidential Building Construction                           | 7,039                     | 7,698                     | 659            | 9.36%          |
| 237000        | <i>Heavy and Civil Engineering Construction</i>                | 8,573                     | 8,907                     | 334            | 3.90%          |
| 237100        | Utility System Construction                                    | 4,739                     | 4,711                     | -28            | -0.59%         |
| 237200        | Land Subdivision   | 188                       | 209                       | 21             | 11.17%         |
| 237300        | Highway, Street, and Bridge Construction                       | 2,724                     | 2,979                     | 255            | 9.36%          |
| 237900        | Other Heavy and Civil Engineering Construction                 | 922                       | 1,008                     | 86             | 9.33%          |
| 238000        | <i>Specialty Trade Contractors</i>                             | 29,033                    | 32,038                    | 3,005          | 10.35%         |
| 238100        | Foundation, Structure, and Building Exterior Contractors       | 5,484                     | 5,997                     | 513            | 9.35%          |
| 238200        | Building Equipment Contractors                                 | 15,038                    | 16,445                    | 1,407          | 9.36%          |
| 238300        | Building Finishing Contractors                                 | 3,953                     | 4,612                     | 659            | 16.67%         |
| 238900        | Other Specialty Trade Contractors                              | 4,558                     | 4,984                     | 426            | 9.35%          |
| <b>101300</b> | <b>Manufacturing</b>   | <b>155,259</b>            | <b>162,196</b>            | <b>6,937</b>   | <b>4.47%</b>   |



# 2012-2022 Arkansas Statewide Long-Term Industry Projections

| NAICS Code    | NAICS Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth   | Percent Growth |
|---------------|--|---------------------------|---------------------------|--------------|----------------|
| <b>310000</b> | <b>Manufacturing</b>   | <b>155,259</b>            | <b>162,196</b>            | <b>6,937</b> | <b>4.47%</b>   |
|               | <b>Non-Durable Goods Manufacturing</b>                               | <b>78,506</b>             | <b>81,343</b>             | <b>2,837</b> | <b>3.61%</b>   |
| 311000        | <i>Food Manufacturing</i>  | 43,624                    | 45,918                    | 2,294        | 5.26%          |
| 311100        | Animal Food Manufacturing  | 1,667                     | 1,823                     | 156          | 9.36%          |
| 311200        | Grain and Oilseed Milling  | 2,316                     | 2,246                     | -70          | -3.02%         |
| 311300        | Sugar and Confectionery Product Manufacturing                        | 46                        | 56                        | 10           | 21.74%         |
| 311400        | Fruit and Vegetable Preserving and Specialty Food Manufacturing      | 4,621                     | 4,242                     | -379         | -8.20%         |
| 311600        | Animal Slaughtering and Processing                                   | 29,580                    | 31,807                    | 2,227        | 7.53%          |
| 311800        | Bakeries and Tortilla Manufacturing                                  | 3,024                     | 3,245                     | 221          | 7.31%          |
| 311900        | Other Food Manufacturing   | 1,736                     | 1,898                     | 162          | 9.33%          |
| 312000        | <i>Beverage and Tobacco Product Manufacturing</i>                    | 1,048                     | 1,038                     | -10          | -0.95%         |
| 314100        | Textile Furnishings Mills  | 40                        | 49                        | 9            | 22.50%         |
| 314900        | Other Textile Product Mills  | 895                       | 979                       | 84           | 9.39%          |
| 315000        | <i>Apparel Manufacturing</i>   | 1,134                     | 1,177                     | 43           | 3.79%          |
| 316000        | <i>Leather and Allied Product Manufacturing</i>                      | 1,307                     | 1,452                     | 145          | 11.09%         |
|               | <b>Durable Goods Manufacturing</b>                                   | <b>43,431</b>             | <b>45,943</b>             | <b>4,100</b> | <b>5.78%</b>   |
| 321000        | <i>Wood Product Manufacturing</i>                                    | 8,715                     | 9,543                     | 828          | 9.50%          |
| 321100        | Sawmills and Wood Preservation                                       | 4,111                     | 4,508                     | 397          | 9.66%          |
| 321200        | Veneer, Plywood, and Engineered Wood Product Manufacturing           | 1,932                     | 2,113                     | 181          | 9.37%          |
| 321900        | Other Wood Product Manufacturing                                     | 2,672                     | 2,922                     | 250          | 9.36%          |
| 322000        | <i>Paper Manufacturing</i>   | 10,074                    | 9,562                     | -512         | -5.08%         |
| 322100        | Pulp, Paper, and Paperboard Mills                                    | 4,232                     | 3,789                     | -443         | -10.47%        |
| 322200        | Converted Paper Product Manufacturing                                | 5,842                     | 5,773                     | -69          | -1.18%         |
| 323000        | <i>Printing and Related Support Activities</i>                       | 4,064                     | 3,947                     | -117         | -2.88%         |
| 324000        | <i>Petroleum and Coal Products Manufacturing</i>                     | 947                       | 923                       | -24          | -2.53%         |
| 325000        | <i>Chemical Manufacturing</i>  | 4,640                     | 5,571                     | 931          | 20.06%         |
| 325100        | Basic Chemical Manufacturing   | 1,741                     | 1,850                     | 109          | 6.26%          |
| 325300        | Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing | 384                       | 420                       | 36           | 9.38%          |
| 325600        | Soap, Cleaning Compound, and Toilet Preparation Manufacturing        | 1,071                     | 1,196                     | 125          | 11.67%         |
| 325900        | Other Chemical Product and Preparation Manufacturing                 | 800                       | 1,125                     | 325          | 40.63%         |
| 326000        | <i>Plastics and Rubber Products Manufacturing</i>                    | 10,653                    | 10,632                    | -21          | -0.20%         |
| 326100        | Plastics Product Manufacturing                                       | 6,375                     | 5,954                     | -421         | -6.60%         |
| 326200        | Rubber Product Manufacturing   | 4,278                     | 4,678                     | 400          | 9.35%          |
| 327000        | <i>Nonmetallic Mineral Product Manufacturing</i>                     | 3,445                     | 3,692                     | 247          | 7.17%          |
| 327100        | Clay Product and Refractory Manufacturing                            | 374                       | 414                       | 40           | 10.70%         |
| 327300        | Cement and Concrete Product Manufacturing                            | 1,940                     | 2,121                     | 181          | 9.33%          |
| 327900        | Other Nonmetallic Mineral Product Manufacturing                      | 557                       | 697                       | 140          | 25.13%         |

# 2012-2022 Arkansas Statewide Long-Term Industry Projections

| NAICS Code | NAICS Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth |
|------------|--|---------------------------|---------------------------|------------|----------------|
| 331000     | <i>Primary Metal Manufacturing</i>   | 10,355                    | 12,164                    | 1,809      | 17.47%         |
| 331100     | Iron and Steel Mills and Ferroalloy Manufacturing  | 2,402                     | 3,177                     | 775        | 32.26%         |
| 331200     | Steel Product Manufacturing from Purchased Steel   | 3,020                     | 3,707                     | 687        | 22.75%         |
| 331300     | Alumina and Aluminum Production  | 1,250                     | 1,367                     | 117        | 9.36%          |
| 331400     | Nonferrous Metal (except Aluminum) Production and Processing                                 | 663                       | 610                       | -53        | -7.99%         |
| 331500     | Foundries  | 3,020                     | 3,303                     | 283        | 9.37%          |
| 332000     | <i>Fabricated Metal Product Manufacturing</i>  | 14,120                    | 14,878                    | 758        | 5.37%          |
| 332200     | Cutlery and Handtool Manufacturing   | 846                       | 747                       | -99        | -11.70%        |
| 332300     | Architectural and Structural Metals Manufacturing  | 3,584                     | 3,919                     | 335        | 9.35%          |
| 332400     | Boiler, Tank, and Shipping Container Manufacturing   | 700                       | 765                       | 65         | 9.29%          |
| 332600     | Spring and Wire Product Manufacturing  | 401                       | 338                       | -63        | -15.71%        |
| 332700     | Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing                        | 1,861                     | 1,915                     | 54         | 2.90%          |
| 332800     | Coating, Engraving, Heat Treating, and Allied Activities                                     | 652                       | 738                       | 86         | 13.19%         |
| 332900     | Other Fabricated Metal Product Manufacturing   | 5,538                     | 5,918                     | 380        | 6.86%          |
| 333000     | <i>Machinery Manufacturing</i>   | 11,493                    | 12,354                    | 861        | 7.49%          |
| 333300     | Commercial and Service Industry Machinery Manufacturing                                      | 854                       | 934                       | 80         | 9.37%          |
| 333400     | Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing | 3,265                     | 3,347                     | 82         | 2.51%          |
| 333500     | Metalworking Machinery Manufacturing   | 1,098                     | 1,123                     | 25         | 2.28%          |
| 333600     | Engine, Turbine, and Power Transmission Equipment Manufacturing                              | 701                       | 1,161                     | 460        | 65.62%         |
| 333900     | Other General Purpose Machinery Manufacturing  | 1,944                     | 2,126                     | 182        | 9.36%          |
| 334000     | <i>Computer and Electronic Product Manufacturing</i>   | 2,947                     | 2,717                     | -230       | -7.80%         |
| 334400     | Semiconductor and Other Electronic Component Manufacturing                                   | 1,920                     | 1,804                     | -116       | -6.04%         |
| 334500     | Navigational, Measuring, Electromedical, and Control Instruments Manufacturing               | 502                       | 426                       | -76        | -15.14%        |
| 335000     | <i>Electrical Equipment, Appliance, and Component Manufacturing</i>                          | 6,454                     | 5,930                     | -524       | -8.12%         |
| 335300     | Electrical Equipment Manufacturing   | 3,469                     | 2,984                     | -485       | -13.98%        |
| 335900     | Other Electrical Equipment and Component Manufacturing                                       | 1,710                     | 1,870                     | 160        | 9.36%          |
| 336000     | <i>Transportation Equipment Manufacturing</i>  | 12,561                    | 13,042                    | 481        | 3.83%          |
| 336200     | Motor Vehicle Body and Trailer Manufacturing   | 1,690                     | 1,848                     | 158        | 9.35%          |
| 336300     | Motor Vehicle Parts Manufacturing  | 4,914                     | 5,099                     | 185        | 3.76%          |
| 336400     | Aerospace Product and Parts Manufacturing  | 3,228                     | 3,027                     | -201       | -6.23%         |
| 336600     | Ship and Boat Building   | 1,338                     | 1,463                     | 125        | 9.34%          |
| 337000     | <i>Furniture and Related Product Manufacturing</i>   | 3,336                     | 3,323                     | -13        | -0.39%         |
| 337100     | Household and Institutional Furniture & Kitchen Cabinet Manufacturing                        | 2,259                     | 2,126                     | -133       | -5.89%         |
| 337200     | Office Furniture (including Fixtures) Manufacturing  | 983                       | 1,121                     | 138        | 14.04%         |
| 337900     | Other Furniture Related Product Manufacturing  | 94                        | 76                        | -18        | -19.15%        |
| 339000     | <i>Miscellaneous Manufacturing</i>   | 3,327                     | 3,210                     | -117       | -3.52%         |
| 339100     | Medical Equipment and Supplies Manufacturing   | 1,582                     | 1,578                     | -4         | -0.25%         |

# 2012-2022 Arkansas Statewide Long-Term Industry Projections

| NAICS Code    | NAICS Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth    | Percent Growth |
|---------------|--|---------------------------|---------------------------|---------------|----------------|
| 339900        | Other Miscellaneous Manufacturing  | 1,745                     | 1,632                     | -113          | -6.48%         |
| 102000        | <i>Services Providing</i>  | 956,626                   | 1,076,290                 | 119,664       | 12.51%         |
| <b>102100</b> | <b>Trade, Transportation, and Utilities</b>                                    | <b>241,545</b>            | <b>257,769</b>            | <b>16,224</b> | <b>6.72%</b>   |
| <b>420000</b> | <b>Wholesale Trade</b>   | <b>47,427</b>             | <b>50,555</b>             | <b>3,128</b>  | <b>6.60%</b>   |
| 423000        | <i>Merchant Wholesalers, Durable Goods</i>                                     | 20,892                    | 22,535                    | 1,643         | 7.86%          |
| 423100        | Motor Vehicle and Motor Vehicle Parts and Supplies Merchant Wholesalers        | 2,591                     | 2,833                     | 242           | 9.34%          |
| 423200        | Furniture and Home Furnishing Merchant Wholesalers                             | 396                       | 343                       | -53           | -13.38%        |
| 423300        | Lumber and Other Construction Materials Merchant Wholesalers                   | 1,322                     | 1,193                     | -129          | -9.76%         |
| 423400        | Professional and Commercial Equipment and Supplies Merchant Wholesalers        | 2,837                     | 2,993                     | 156           | 5.50%          |
| 423500        | Metal and Mineral (except Petroleum) Merchant Wholesalers                      | 871                       | 952                       | 81            | 9.30%          |
| 423600        | Household Appliances & Electrical and Electronic Goods Merchant Wholesalers    | 1,801                     | 1,969                     | 168           | 9.33%          |
| 423700        | Hardware, and Plumbing and Heating Equipment and Supplies Merchant Wholesalers | 2,167                     | 2,370                     | 203           | 9.37%          |
| 423800        | Machinery, Equipment, and Supplies Merchant Wholesalers                        | 6,914                     | 7,561                     | 647           | 9.36%          |
| 423900        | Miscellaneous Durable Goods Merchant Wholesalers                               | 1,993                     | 2,321                     | 328           | 16.46%         |
| 424000        | <i>Merchant Wholesalers, Nondurable Goods</i>                                  | 15,920                    | 15,913                    | -7            | -0.04%         |
| 424100        | Paper and Paper Product Merchant Wholesalers                                   | 1,642                     | 1,796                     | 154           | 9.38%          |
| 424200        | Drugs and Druggists' Sundries Merchant Wholesalers                             | 929                       | 837                       | -92           | -9.90%         |
| 424300        | Apparel, Piece Goods, and Notions Merchant Wholesalers                         | 581                       | 635                       | 54            | 9.29%          |
| 424400        | Grocery and Related Product Wholesalers  | 4,950                     | 4,707                     | -243          | -4.91%         |
| 424500        | Farm Product Raw Material Merchant Wholesalers                                 | 860                       | 739                       | -121          | -14.07%        |
| 424600        | Chemical and Allied Products Merchant Wholesalers                              | 654                       | 764                       | 110           | 16.82%         |
| 424700        | Petroleum and Petroleum Products Merchant Wholesalers                          | 1,543                     | 1,687                     | 144           | 9.33%          |
| 424800        | Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers              | 1,267                     | 1,623                     | 356           | 28.10%         |
| 424900        | Miscellaneous Nondurable Goods Merchant Wholesalers                            | 3,494                     | 3,125                     | -369          | -10.56%        |
| 425000        | <i>Wholesale Electronic Markets and Agents and Brokers</i>                     | 10,615                    | 12,107                    | 1,492         | 14.06%         |
| <b>440000</b> | <b>Retail Trade</b>  | <b>132,431</b>            | <b>141,117</b>            | <b>8,686</b>  | <b>6.56%</b>   |
| 441000        | <i>Motor Vehicle and Parts Dealers</i>   | 17,245                    | 18,370                    | 1,125         | 6.52%          |
| 441100        | Automobile Dealers   | 10,108                    | 10,719                    | 611           | 6.04%          |
| 441200        | Other Motor Vehicle Dealers  | 1,368                     | 1,468                     | 100           | 7.31%          |
| 441300        | Automotive Parts, Accessories, and Tire Stores                                 | 5,769                     | 6,183                     | 414           | 7.18%          |
| 442000        | <i>Furniture and Home Furnishings Stores</i>                                   | 3,347                     | 3,612                     | 265           | 7.92%          |
| 442100        | Furniture Stores   | 1,908                     | 2,041                     | 133           | 6.97%          |
| 442200        | Home Furnishings Stores  | 1,439                     | 1,571                     | 132           | 9.17%          |
| 443000        | <i>Electronics and Appliance Stores</i>  | 3,966                     | 3,969                     | 3             | 0.08%          |
| 444000        | <i>Building Material and Garden Equipment and Supplies Dealers</i>             | 10,291                    | 10,949                    | 658           | 6.39%          |
| 444100        | Building Material and Supplies Dealers   | 9,016                     | 9,674                     | 658           | 7.30%          |
| 444200        | Lawn and Garden Equipment and Supplies Stores                                  | 1,275                     | 1,275                     | 0             | 0.00%          |

# 2012-2022 Arkansas Statewide Long-Term Industry Projections

| NAICS Code    | NAICS Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth   | Percent Growth |
|---------------|--|---------------------------|---------------------------|--------------|----------------|
| 445000        | <i>Food and Beverage Stores</i>                      | 17,823                    | 18,271                    | 448          | 2.51%          |
| 445100        | Grocery Stores                                       | 15,367                    | 15,702                    | 335          | 2.18%          |
| 445200        | Specialty Food Stores                                | 874                       | 873                       | -1           | -0.11%         |
| 445300        | Beer, Wine, and Liquor Stores                        | 1,582                     | 1,696                     | 114          | 7.21%          |
| 446000        | <i>Health and Personal Care Stores</i>               | 7,976                     | 8,316                     | 340          | 4.26%          |
| 447000        | <i>Gasoline Stations</i>                             | 11,662                    | 12,753                    | 1,091        | 9.36%          |
| 448000        | <i>Clothing and Clothing Accessories Stores</i>      | 8,717                     | 9,533                     | 816          | 9.36%          |
| 448100        | Clothing Stores                                      | 6,766                     | 7,399                     | 633          | 9.36%          |
| 448200        | Shoe Stores  | 1,164                     | 1,273                     | 109          | 9.36%          |
| 448300        | Jewelry, Luggage, and Leather Goods Stores           | 787                       | 861                       | 74           | 9.40%          |
| 451000        | <i>Sporting Goods, Hobby, Book, and Music Stores</i> | 4,358                     | 4,982                     | 624          | 14.32%         |
| 451100        | Sporting Goods, Hobby, and Musical Instrument Stores | 3,735                     | 4,375                     | 640          | 17.14%         |
| 451200        | Book, Periodical, and Music Stores                   | 623                       | 607                       | -16          | -2.57%         |
| 452000        | <i>General Merchandise Stores</i>                    | 38,656                    | 41,630                    | 2,974        | 7.69%          |
| 453000        | <i>Miscellaneous Store Retailers</i>                 | 6,660                     | 7,070                     | 410          | 6.16%          |
| 453100        | Florists   | 756                       | 827                       | 71           | 9.39%          |
| 453200        | Office Supplies, Stationery, and Gift Stores         | 2,101                     | 2,084                     | -17          | -0.81%         |
| 453300        | Used Merchandise Stores                              | 1,375                     | 1,504                     | 129          | 9.38%          |
| 453900        | Other Miscellaneous Store Retailers                  | 2,428                     | 2,655                     | 227          | 9.35%          |
| 454000        | <i>Nonstore Retailers</i>                            | 1,730                     | 1,662                     | -68          | -3.93%         |
| 454100        | Electronic Shopping and Mail Order Houses            | 552                       | 604                       | 52           | 9.42%          |
| 454200        | Vending Machine Operators                            | 483                       | 397                       | -86          | -17.81%        |
| 454300        | Direct Selling Establishments                        | 695                       | 661                       | -34          | -4.89%         |
| <b>480000</b> | <b>Transportation and Warehousing</b>                | <b>53,660</b>             | <b>57,804</b>             | <b>4,144</b> | <b>7.72%</b>   |
| 481000        | <i>Air Transportation</i>                            | 869                       | 811                       | -58          | -6.67%         |
| 484000        | <i>Truck Transportation</i>                          | 32,662                    | 36,294                    | 3,632        | 11.12%         |
| 484100        | General Freight Trucking                             | 26,087                    | 28,527                    | 2,440        | 9.35%          |
| 484200        | Specialized Freight Trucking                         | 6,575                     | 7,767                     | 1,192        | 18.13%         |
| 485000        | <i>Transit and Ground Passenger Transportation</i>   | 1,441                     | 1,574                     | 133          | 9.23%          |
| 485300        | Taxi and Limousine Service                           | 347                       | 379                       | 32           | 9.22%          |
| 485400        | School and Employee Bus Transportation               | 496                       | 542                       | 46           | 9.27%          |
| 485500        | Charter Bus Industry                                 | 90                        | 98                        | 8            | 8.89%          |
| 485900        | Other Transit and Ground Passenger Transportation    | 427                       | 467                       | 40           | 9.37%          |
| 486000        | <i>Pipeline Transportation</i>                       | 445                       | 392                       | -53          | -11.91%        |
| 488000        | <i>Support Activities for Transportation</i>         | 4,563                     | 5,136                     | 573          | 12.56%         |
| 488100        | Support Activities for Air Transportation            | 1,304                     | 1,574                     | 270          | 20.71%         |
| 488200        | Support Activities for Rail Transportation           | 378                       | 413                       | 35           | 9.26%          |

# 2012-2022 Arkansas Statewide Long-Term Industry Projections

| NAICS Code    | NAICS Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth   | Percent Growth |
|---------------|--|---------------------------|---------------------------|--------------|----------------|
| 488300        | Support Activities for Water Transportation  | 588                       | 643                       | 55           | 9.35%          |
| 488400        | Support Activities for Road Transportation   | 612                       | 668                       | 56           | 9.15%          |
| 488500        | Freight Transportation Arrangement   | 1,565                     | 1,711                     | 146          | 9.33%          |
| 488900        | Other Support Activities for Transportation  | 116                       | 127                       | 11           | 9.48%          |
| <b>220000</b> | <b>Utilities</b>   | <b>8,027</b>              | <b>8,293</b>              | <b>266</b>   | <b>3.31%</b>   |
| 221000        | <i>Utilities</i>   | 8,027                     | 8,293                     | 266          | 3.31%          |
| 221100        | Electric Power Generation, Transmission and Distribution                                       | 5,844                     | 6,180                     | 336          | 5.75%          |
| 221200        | Natural Gas Distribution   | 1,271                     | 1,069                     | -202         | -15.89%        |
| 221300        | Water, Sewage and Other Systems  | 912                       | 1,044                     | 132          | 14.47%         |
| 492000        | <i>Couriers and Messengers</i>   | 3,045                     | 2,901                     | -144         | -4.73%         |
| 493000        | <i>Warehousing and Storage</i>   | 7,121                     | 7,787                     | 666          | 9.35%          |
| <b>102200</b> | <b>Information</b>   | <b>14,461</b>             | <b>14,254</b>             | <b>-207</b>  | <b>-1.43%</b>  |
| <b>510000</b> | <b>Information</b>   | <b>14,461</b>             | <b>14,254</b>             | <b>-207</b>  | <b>-1.43%</b>  |
| 511000        | <i>Publishing Industries (except Internet)</i>   | 3,833                     | 3,714                     | -119         | -3.10%         |
| 511100        | Newspaper, Periodical, Book, and Directory Publishers  | 3,528                     | 3,331                     | -197         | -5.58%         |
| 511200        | Software Publishers  | 305                       | 383                       | 78           | 25.57%         |
| 512000        | <i>Motion Picture and Sound Recording Industries</i>   | 1,220                     | 1,149                     | -71          | -5.82%         |
| 512100        | Motion Picture and Video Industries  | 1,189                     | 1,122                     | -67          | -5.63%         |
| 512200        | Sound Recording Industries   | 31                        | 27                        | -4           | -12.90%        |
| 515000        | <i>Broadcasting (except Internet)</i>  | 1,700                     | 1,718                     | 18           | 1.06%          |
| 517000        | <i>Telecommunications</i>  | 5,930                     | 5,675                     | -255         | -4.30%         |
| 517100        | Wired Telecommunications Carriers  | 3,716                     | 3,332                     | -384         | -10.33%        |
| 518000        | <i>Data Processing, Hosting and Related Services</i>   | 1,472                     | 1,663                     | 191          | 12.98%         |
| 519000        | <i>Other Information Services</i>  | 306                       | 335                       | 29           | 9.48%          |
| <b>102300</b> | <b>Financial Activities</b>  | <b>49,403</b>             | <b>53,300</b>             | <b>3,897</b> | <b>7.89%</b>   |
| <b>520000</b> | <b>Finance and Insurance</b>   | <b>36,189</b>             | <b>39,045</b>             | <b>2,856</b> | <b>7.89%</b>   |
| 522000        | <i>Credit Intermediation and Related Activities</i>  | 19,201                    | 19,848                    | 647          | 3.37%          |
| 522100        | Depository Credit Intermediation   | 16,742                    | 17,100                    | 358          | 2.14%          |
| 522200        | Nondepository Credit Intermediation  | 2,115                     | 2,254                     | 139          | 6.57%          |
| 522300        | Activities Related to Credit Intermediation  | 344                       | 494                       | 150          | 43.60%         |
| 523000        | <i>Securities, Commodity Contracts, and Other Financial Investments and Related Activities</i> | 3,040                     | 3,425                     | 385          | 12.66%         |
| 524000        | <i>Insurance Carriers and Related Activities</i>   | 13,846                    | 15,662                    | 1,816        | 13.12%         |
| 524100        | Insurance Carriers   | 6,192                     | 6,580                     | 388          | 6.27%          |
| 524200        | Agencies, Brokerages, and Other Insurance Related Activities                                   | 7,654                     | 9,082                     | 1,428        | 18.66%         |
| <b>530000</b> | <b>Real Estate and Rental and Leasing</b>  | <b>13,214</b>             | <b>14,255</b>             | <b>1,041</b> | <b>7.88%</b>   |
| 531000        | <i>Real Estate</i>   | 8,608                     | 9,255                     | 647          | 7.52%          |
| 531100        | Lessors of Real Estate   | 4,221                     | 4,373                     | 152          | 3.60%          |

# 2012-2022 Arkansas Statewide Long-Term Industry Projections

| NAICS Code    | NAICS Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth    | Percent Growth |
|---------------|---|---------------------------|---------------------------|---------------|----------------|
| 531200        | Offices of Real Estate Agents and Brokers                                       | 1,566                     | 1,797                     | 231           | 14.75%         |
| 531300        | Activities Related to Real Estate   | 2,821                     | 3,085                     | 264           | 9.36%          |
| 532000        | <i>Rental and Leasing Services</i>  | 4,532                     | 4,919                     | 387           | 8.54%          |
| 532100        | Automotive Equipment Rental and Leasing   | 900                       | 978                       | 78            | 8.67%          |
| 532200        | Consumer Goods Rental   | 2,015                     | 2,204                     | 189           | 9.38%          |
| 532300        | General Rental Centers  | 266                       | 291                       | 25            | 9.40%          |
| 532400        | Commercial and Industrial Machinery and Equipment Rental and Leasing            | 1,351                     | 1,446                     | 95            | 7.03%          |
| 533000        | <i>Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)</i>     | 74                        | 81                        | 7             | 9.46%          |
| <b>102400</b> | <b>Professional and Business Services</b>                                       | <b>124,285</b>            | <b>136,833</b>            | <b>12,548</b> | <b>10.10%</b>  |
| <b>540000</b> | <b>Professional, Scientific, and Technical Services</b>                         | <b>38,548</b>             | <b>41,900</b>             | <b>3,352</b>  | <b>8.70%</b>   |
| 541000        | <i>Professional, Scientific, and Technical Services</i>                         | 38,548                    | 41,900                    | 3,352         | 8.70%          |
| 541100        | Legal Services  | 6,048                     | 6,526                     | 478           | 7.90%          |
| 541200        | Accounting, Tax Preparation, Bookkeeping, and Payroll Services                  | 5,033                     | 5,533                     | 500           | 9.93%          |
| 541300        | Architectural, Engineering, and Related Services                                | 5,794                     | 6,336                     | 542           | 9.35%          |
| 541400        | Specialized Design Services   | 439                       | 480                       | 41            | 9.34%          |
| 541500        | Computer Systems Design and Related Services                                    | 8,780                     | 9,580                     | 800           | 9.11%          |
| 541600        | Management, Scientific, and Technical Consulting Services                       | 4,865                     | 5,320                     | 455           | 9.35%          |
| 541700        | Scientific Research and Development Services                                    | 1,154                     | 1,262                     | 108           | 9.36%          |
| 541800        | Advertising, Public Relations, and Related Services                             | 2,843                     | 3,109                     | 266           | 9.36%          |
| 541900        | Other Professional, Scientific, and Technical Services                          | 3,592                     | 3,754                     | 162           | 4.51%          |
| <b>550000</b> | <b>Management of Companies and Enterprises</b>                                  | <b>30,448</b>             | <b>33,296</b>             | <b>2,848</b>  | <b>9.35%</b>   |
| 551000        | <i>Management of Companies and Enterprises</i>                                  | 30,448                    | 33,296                    | 2,848         | 9.35%          |
| <b>560000</b> | <b>Administrative and Support and Waste Management and Remediation Services</b> | <b>55,289</b>             | <b>61,637</b>             | <b>6,348</b>  | <b>11.48%</b>  |
| 561000        | <i>Administrative and Support Services</i>                                      | 52,292                    | 58,122                    | 5,830         | 11.15%         |
| 561100        | Office Administrative Services  | 2,038                     | 2,163                     | 125           | 6.13%          |
| 561200        | Facilities Support Services   | 212                       | 251                       | 39            | 18.40%         |
| 561300        | Employment Services   | 21,916                    | 23,966                    | 2,050         | 9.35%          |
| 561400        | Business Support Services   | 8,888                     | 10,731                    | 1,843         | 20.74%         |
| 561500        | Travel Arrangement and Reservation Services                                     | 328                       | 339                       | 11            | 3.35%          |
| 561600        | Investigation and Security Services   | 4,431                     | 4,838                     | 407           | 9.19%          |
| 561700        | Services to Buildings and Dwellings   | 12,995                    | 14,211                    | 1,216         | 9.36%          |
| 561900        | Other Support Services  | 1,484                     | 1,623                     | 139           | 9.37%          |
| 562000        | <i>Waste Management and Remediation Service</i>                                 | 2,997                     | 3,515                     | 518           | 17.28%         |
| 562100        | Waste Collection  | 1,038                     | 1,373                     | 335           | 32.27%         |
| 562200        | Waste Treatment and Disposal  | 868                       | 949                       | 81            | 9.33%          |
| 562900        | Remediation and Other Waste Management Services                                 | 1,091                     | 1,193                     | 102           | 9.35%          |
| <b>102500</b> | <b>Education and Health Services</b>  | <b>280,681</b>            | <b>334,510</b>            | <b>53,829</b> | <b>19.18%</b>  |

# 2012-2022 Arkansas Statewide Long-Term Industry Projections

| NAICS Code    | NAICS Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth    | Percent Growth |
|---------------|--|---------------------------|---------------------------|---------------|----------------|
| <b>610000</b> | <b>Educational Services</b>  | <b>112,224</b>            | <b>126,981</b>            | <b>14,757</b> | <b>13.15%</b>  |
| <i>611000</i> | <i>Educational Services</i>  | <i>112,224</i>            | <i>126,981</i>            | <i>14,757</i> | <i>13.15%</i>  |
| 611100        | Elementary and Secondary Schools   | 75,747                    | 82,704                    | 6,957         | 9.18%          |
| 611200        | Junior Colleges  | 7,727                     | 9,428                     | 1,701         | 22.01%         |
| 611300        | Colleges, Universities, and Professional Schools   | 25,318                    | 30,424                    | 5,106         | 20.17%         |
| 611400        | Business Schools and Computer and Management Training  | 104                       | 115                       | 11            | 10.58%         |
| 611500        | Technical and Trade Schools  | 1,180                     | 1,601                     | 421           | 35.68%         |
| 611600        | Other Schools and Instruction  | 1,704                     | 2,133                     | 429           | 25.18%         |
| 611700        | Educational Support Services   | 444                       | 576                       | 132           | 29.73%         |
| <b>620000</b> | <b>Health Care and Social Assistance</b>   | <b>168,457</b>            | <b>207,529</b>            | <b>39,072</b> | <b>23.19%</b>  |
| <i>621000</i> | <i>Ambulatory Health Care Services</i>   | <i>47,673</i>             | <i>59,328</i>             | <i>11,655</i> | <i>24.45%</i>  |
| 621100        | Offices of Physicians  | 22,062                    | 27,528                    | 5,466         | 24.78%         |
| 621200        | Offices of Dentists  | 6,850                     | 8,260                     | 1,410         | 20.58%         |
| 621300        | Offices of Other Health Practitioners  | 7,015                     | 8,648                     | 1,633         | 23.28%         |
| 621400        | Outpatient Care Centers  | 3,926                     | 5,112                     | 1,186         | 30.21%         |
| 621500        | Medical and Diagnostic Laboratories  | 968                       | 1,314                     | 346           | 35.74%         |
| 621600        | Home Health Care Services  | 4,286                     | 5,262                     | 976           | 22.77%         |
| 621900        | Other Ambulatory Health Care Services  | 2,566                     | 3,204                     | 638           | 24.86%         |
| <i>622000</i> | <i>Hospitals</i>   | <i>53,271</i>             | <i>59,353</i>             | <i>6,082</i>  | <i>11.42%</i>  |
| 622100        | General Medical and Surgical Hospitals   | 47,604                    | 52,088                    | 4,484         | 9.42%          |
| 622200        | Psychiatric and Substance Abuse Hospitals  | 3,168                     | 4,254                     | 1,086         | 34.28%         |
| 622300        | Specialty (except Psychiatric and Substance Abuse) Hospitals                                     | 2,499                     | 3,011                     | 512           | 20.49%         |
| <i>623000</i> | <i>Nursing and Residential Care Facilities</i>   | <i>31,390</i>             | <i>38,183</i>             | <i>6,793</i>  | <i>21.64%</i>  |
| 623100        | Nursing Care Facilities (Skilled Nursing Facilities)   | 22,944                    | 26,854                    | 3,910         | 17.04%         |
| 623200        | Residential Intellectual & Developmental Disability, Mental Health, & Substance Abuse Facilities | 4,270                     | 5,288                     | 1,018         | 23.84%         |
| 623300        | Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly            | 3,059                     | 4,820                     | 1,761         | 57.57%         |
| 623900        | Other Residential Care Facilities  | 1,117                     | 1,221                     | 104           | 9.31%          |
| <i>624000</i> | <i>Social Assistance</i>   | <i>36,123</i>             | <i>50,665</i>             | <i>14,542</i> | <i>40.26%</i>  |
| 624100        | Individual and Family Services   | 21,231                    | 32,745                    | 11,514        | 54.23%         |
| 624200        | Community Food and Housing, and Emergency and Other Relief Services                              | 1,285                     | 1,562                     | 277           | 21.56%         |
| 624300        | Vocational Rehabilitation Services   | 3,839                     | 4,787                     | 948           | 24.69%         |
| 624400        | Child Day Care Services  | 9,768                     | 11,571                    | 1,803         | 18.46%         |
| <b>102600</b> | <b>Leisure and Hospitality</b>   | <b>102,727</b>            | <b>123,541</b>            | <b>20,814</b> | <b>20.26%</b>  |
| <b>710000</b> | <b>Arts, Entertainment, and Recreation</b>   | <b>9,638</b>              | <b>10,353</b>             | <b>715</b>    | <b>7.42%</b>   |
| <i>711000</i> | <i>Performing Arts, Spectator Sports, and Related Industries</i>                                 | <i>2,300</i>              | <i>2,664</i>              | <i>364</i>    | <i>15.83%</i>  |
| 711100        | Performing Arts Companies  | 429                       | 434                       | 5             | 1.17%          |
| 711200        | Spectator Sports   | 1,177                     | 1,427                     | 250           | 21.24%         |

# 2012-2022 Arkansas Statewide Long-Term Industry Projections

| NAICS Code    | NAICS Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth    | Percent Growth |
|---------------|---|---------------------------|---------------------------|---------------|----------------|
| 711300        | Promoters of Performing Arts, Sports, and Similar Events  | 604                       | 701                       | 97            | 16.06%         |
| 711400        | Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures                           | 26                        | 32                        | 6             | 23.08%         |
| 711500        | Independent Artists, Writers, and Performers  | 64                        | 70                        | 6             | 9.38%          |
| 712000        | <i>Museums, Historical Sites, and Similar Institution</i>   | 456                       | 560                       | 104           | 22.81%         |
| 713000        | <i>Amusement, Gambling, and Recreation Industries</i>   | 6,882                     | 7,129                     | 247           | 3.59%          |
| <b>720000</b> | <b>Accommodation and Food Services</b>  | <b>93,089</b>             | <b>113,188</b>            | <b>20,099</b> | <b>21.59%</b>  |
| 721000        | <i>Accommodation, including Hotels and Motels</i>   | 10,933                    | 11,870                    | 937           | 8.57%          |
| 721100        | Traveler Accommodation  | 10,362                    | 11,169                    | 807           | 7.79%          |
| 721200        | RV (Recreational Vehicle) Parks and Recreational Camps  | 477                       | 586                       | 109           | 22.85%         |
| 721300        | Rooming and Boarding Houses   | 94                        | 115                       | 21            | 22.34%         |
| 722000        | <i>Food Services and Drinking Places</i>  | 82,156                    | 101,318                   | 19,162        | 23.32%         |
| 722300        | Special Food Services   | 2,696                     | 3,310                     | 614           | 22.77%         |
| 722400        | Drinking Places (Alcoholic Beverages)   | 1,125                     | 1,243                     | 118           | 10.49%         |
| 722500        | Restaurants and Other Eating Places   | 78,335                    | 96,765                    | 18,430        | 23.53%         |
| <b>102700</b> | <b>Other Services (except Government)</b>   | <b>44,494</b>             | <b>49,850</b>             | <b>5,356</b>  | <b>12.04%</b>  |
| <b>810000</b> | <b>Other Services (except Government)</b>   | <b>44,494</b>             | <b>49,850</b>             | <b>5,356</b>  | <b>12.04%</b>  |
| 811000        | <i>Repair and Maintenance</i>   | 9,341                     | 10,322                    | 981           | 10.50%         |
| 811100        | Automotive Repair and Maintenance   | 6,251                     | 6,836                     | 585           | 9.36%          |
| 811200        | Electronic and Precision Equipment Repair and Maintenance   | 581                       | 635                       | 54            | 9.29%          |
| 811300        | Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance | 1,929                     | 2,217                     | 288           | 14.93%         |
| 811400        | Personal and Household Goods Repair and Maintenance   | 580                       | 634                       | 54            | 9.31%          |
| 812000        | <i>Personal and Laundry Services</i>  | 8,325                     | 9,211                     | 886           | 10.64%         |
| 812100        | Personal Care Services  | 2,932                     | 3,599                     | 667           | 22.75%         |
| 812200        | Death Care Services   | 1,609                     | 1,606                     | -3            | -0.19%         |
| 812300        | Drycleaning and Laundry Services  | 3,030                     | 3,181                     | 151           | 4.98%          |
| 812900        | Other Personal Services   | 754                       | 825                       | 71            | 9.42%          |
| 813000        | <i>Religious, Grantmaking, Civic, Professional, and Similar Organizations</i>                               | 25,868                    | 29,267                    | 3,399         | 13.14%         |
| 813100        | Religious Organizations   | 19,535                    | 22,298                    | 2,763         | 14.14%         |
| 813200        | Grantmaking and Giving Services   | 603                       | 762                       | 159           | 26.37%         |
| 813300        | Social Advocacy Organizations   | 1,755                     | 1,919                     | 164           | 9.34%          |
| 813400        | Civic and Social Organizations  | 1,256                     | 1,330                     | 74            | 5.89%          |
| 813900        | Business, Professional, Labor, Political, and Similar Organizations   | 2,719                     | 2,958                     | 239           | 8.79%          |
| 814000        | <i>Private Households</i>   | 960                       | 1,050                     | 90            | 9.38%          |
| <b>102800</b> | <b>Government</b>   | <b>99,030</b>             | <b>106,233</b>            | <b>7,203</b>  | <b>7.27%</b>   |
| <b>900000</b> | <b>Government</b>   | <b>99,030</b>             | <b>106,233</b>            | <b>7,203</b>  | <b>7.27%</b>   |
| 910000        | <i>Total Federal Government Employment</i>  | 21,107                    | 21,447                    | 340           | 1.61%          |
| 999100        | Federal Government, Excluding Post Office   | 15,504                    | 16,798                    | 1,294         | 8.35%          |



# 2012-2022 Arkansas Statewide Long-Term Industry Projections

| <b>NAICS Code</b> | <b>NAICS Title</b>                                  | <b>2012 Estimated Employment</b> | <b>2022 Projected Employment</b> | <b>Net Growth</b> | <b>Percent Growth</b> |
|-------------------|---|----------------------------------|----------------------------------|-------------------|-----------------------|
| 491100            | Postal Service                                      | 5,603                            | 4,649                            | -954              | -17.03%               |
| 920000            | State Government, Excluding Education and Hospitals | 37,404                           | 40,742                           | 3,338             | 8.92%                 |
| 930000            | Local Government, Excluding Education and Hospitals | 40,519                           | 44,044                           | 3,525             | 8.70%                 |
| 102900            | Unclassified  | 118,684                          | 122,215                          | 3,531             | 2.98%                 |

## 2012-2022 Arkansas Statewide Occupational Projections by Major Group

| SOC Code | SOC Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth     | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Annual Total Openings |
|----------|--|---------------------------|---------------------------|----------------|----------------|------------------------|-----------------------------|-----------------------|
| 00-0000  | <b>Total, All Occupations</b>                              | <b>1,299,188</b>          | <b>1,435,135</b>          | <b>135,947</b> | <b>10.46%</b>  | <b>14,053</b>          | <b>29,852</b>               | <b>43,905</b>         |
| 11-0000  | Management Occupations                                     | 115,265                   | 122,425                   | 7,160          | 6.21%          | 723                    | 2,123                       | 2,846                 |
| 13-0000  | Business and Financial Operations Occupations              | 45,462                    | 50,536                    | 5,074          | 11.16%         | 509                    | 920                         | 1,429                 |
| 15-0000  | Computer and Mathematical Occupations                      | 19,657                    | 21,539                    | 1,882          | 9.57%          | 193                    | 354                         | 547                   |
| 17-0000  | Architecture and Engineering Occupations                   | 11,916                    | 12,610                    | 694            | 5.82%          | 74                     | 281                         | 355                   |
| 19-0000  | Life, Physical, and Social Science Occupations             | 6,861                     | 7,739                     | 878            | 12.80%         | 88                     | 210                         | 298                   |
| 21-0000  | Community and Social Service Occupations                   | 23,137                    | 27,152                    | 4,015          | 17.35%         | 402                    | 522                         | 924                   |
| 23-0000  | Legal Occupations  | 7,983                     | 8,976                     | 993            | 12.44%         | 99                     | 128                         | 227                   |
| 25-0000  | Education, Training, and Library Occupations               | 70,716                    | 81,122                    | 10,406         | 14.72%         | 1,041                  | 1,498                       | 2,539                 |
| 27-0000  | Arts, Design, Entertainment, Sports, and Media Occupations | 13,009                    | 14,130                    | 1,121          | 8.62%          | 116                    | 304                         | 420                   |
| 29-0000  | Healthcare Practitioners and Technical Occupations         | 73,830                    | 86,195                    | 12,365         | 16.75%         | 1,236                  | 1,527                       | 2,763                 |
| 31-0000  | Healthcare Support Occupations                             | 39,511                    | 47,398                    | 7,887          | 19.96%         | 791                    | 755                         | 1,546                 |
| 33-0000  | Protective Service Occupations                             | 24,930                    | 27,545                    | 2,615          | 10.49%         | 262                    | 676                         | 938                   |
| 35-0000  | Food Preparation and Serving Related Occupations           | 98,381                    | 119,022                   | 20,641         | 20.98%         | 2,064                  | 3,424                       | 5,488                 |
| 37-0000  | Building and Grounds Cleaning and Maintenance Occupations  | 43,678                    | 48,115                    | 4,437          | 10.16%         | 444                    | 891                         | 1,335                 |
| 39-0000  | Personal Care and Service Occupations                      | 39,873                    | 50,178                    | 10,305         | 25.84%         | 1,040                  | 772                         | 1,812                 |
| 41-0000  | Sales and Related Occupations                              | 129,224                   | 139,301                   | 10,077         | 7.80%          | 1,008                  | 3,879                       | 4,887                 |
| 43-0000  | Office and Administrative Support Occupations              | 190,208                   | 202,043                   | 11,835         | 6.22%          | 1,429                  | 4,240                       | 5,669                 |
| 45-0000  | Farming, Fishing, and Forestry Occupations                 | 10,580                    | 11,015                    | 435            | 4.11%          | 63                     | 270                         | 333                   |
| 47-0000  | Construction and Extraction Occupations                    | 55,346                    | 59,799                    | 4,453          | 8.05%          | 449                    | 993                         | 1,442                 |
| 49-0000  | Installation, Maintenance, and Repair Occupations          | 54,610                    | 59,531                    | 4,921          | 9.01%          | 514                    | 1,295                       | 1,809                 |
| 51-0000  | Production Occupations                                     | 116,025                   | 122,370                   | 6,345          | 5.47%          | 708                    | 2,369                       | 3,077                 |
| 53-0000  | Transportation and Material Moving Occupations             | 108,986                   | 116,394                   | 7,408          | 6.80%          | 801                    | 2,423                       | 3,224                 |

# Occupational Outlook

Arkansas occupations are projected to gain 135,947 jobs, or 10.46 percent, by 2022. A total of 43,905 total annual openings are expected each year of the projection period. Of these, 14,053 will be due to growth and 29,852 will be due to replacement. All major groups should see positive growth over the 10-year projection period.

The **Management Occupations** major group is expected to gain 7,160 jobs during the projection period, with 2,846 total annual job openings. Of these, 723 will be due to growth and 2,123 will be due to replacement. Only Postmasters and Mail Superintendents of the *Other Management Occupations* group should see a loss with 72 jobs, placing it on both the Top 20 Declining Occupations by Net Growth and the Top 20 Fastest Declining Occupation by Percent Growth. The *Other Management Occupations* minor group is projected to gain 3,585 jobs, with Farmers, Ranchers, and Other Agricultural Managers adding 1,079 of those jobs.

The **Business and Financial Operations Occupations** major group is projected to gain 5,074 jobs by 2022. The group should see 1,429 annual job openings with 509 due to annual growth and 920 due to annual replacement. Of this group, the *Business Operations Specialists* minor group is expecting the largest net growth with 3,288 jobs, with Business Operations Specialists, All Other having the largest growth with 772 jobs or 10.40 percent growth. The *Financial Specialists* minor group should add 1,786 jobs, with Accountants and Auditors accounting for 900 of those jobs. Meeting, Convention, and Event Planners falls on the Top 20 Fastest Growing Occupations by Percent Growth list with a percent growth of 30.81 percent growth.

The **Computer and Mathematical Occupations** major group is expected to add 1,882 jobs during the projection period, or 9.57 percent. Total Annual Openings could see 547 jobs with 193 annual openings due to growth and 354 annual openings due to replacement. The *Computer Occupations* minor group should see most of this growth with 1,632 jobs expected over the 10-year period. Computer User Support Specialists leads this minor group with 390 jobs expected.

The **Architecture and Engineering Occupations** major group could add 694 jobs by 2022. The group is expected to have 355 total annual openings with 74 annual openings due to growth and 281 annual openings due to replacement. The *Engineers* minor group leads the group in net growth, expecting to add 503 jobs during the projection period. Of this minor group, Civil Engineers could add 179 jobs or an 11.08 percent growth by 2022.

The **Life, Physical, and Social Science Occupations** major group is predicted to gain 878 jobs through the projection period, or 12.80 percent. Annual openings due to replacement should account for 210 of the 298 total annual openings. The *Life, Physical, and Social Science Technicians* minor group is expected to gain 321 jobs. Life, Physical, and Social Science Technicians, All Other leads this minor group with 66 jobs anticipated and a percent growth of 13.23.

The **Community and Social Services Occupations** major group is estimated to gain 4,015 jobs during the projection period. The group could see 402 annual openings due to growth and 522 annual openings due to replacement. Clergy of the *Religious Workers* minor group leads the major group with 1,049 jobs expected, of which, 105 annual job openings will be due to growth.

The **Legal Occupations** major group is projected to add 993 jobs by 2022. Of these, 99 annual openings should be due to growth and 128 annual openings should be due to replacement. The *Lawyers, Judges, and Related Workers* minor group leads the group with 609 new jobs anticipated, with Lawyers accounting for 515 of those new jobs. The *Legal Support Workers* minor group also expects strong growth with 384 jobs projected to be added. Paralegals and Legal Assistants leads this minor group with 276 jobs expected.

The **Education, Training, and Library Occupations** major group is expected to gain 10,406 jobs during the projection period. The group could see 2,539 total annual openings with annual openings due to growth and annual openings due to replacement each contributing 1,041 and 1,498 openings respectively. The *Preschool, Primary, Secondary, and Special Education School Teachers* minor group leads the group with 4,965 jobs expected. Elementary School Teachers, Except Special Education is projected to have 1,722 of those jobs and falls into the Top 20 Growing Occupations by Net Growth list.

The **Arts, Design, Entertainment, Sports, and Media Occupations** major group is projected to add 1,121 jobs by 2022. Of the 420 total annual openings, 304 of them should be due to replacement. The *Entertainers and Performers, Sports and Related Workers* minor group leads the group with 484 job openings projected, with 278 of those jobs being in Coaches and Scouts, a percent growth of 19.24 percent.

The **Healthcare Practitioners and Technical Occupations** major group is estimated to add 12,365 jobs by the end of the projection period, with 2,763 jobs expected annually. Registered Nurses is predicted to see continued growth with 3,441 jobs expected, with 344 annual openings due to growth. In all, the *Health Diagnosing and Treating Practitioners* minor group is expected to see a net growth of 6,380 jobs during the projections period. In the *Health Technologist and Technicians* minor group, Licensed Practical

and Licensed Vocational Nurses is predicted to lead the group with 2,513 jobs due to net growth. Both Registered Nurses and Licensed Practical and Licensed Vocational Nurses are listed on the Top 20 Occupations in Total Annual Openings with 792 and 551 jobs expected annually.

The **Healthcare Support Occupations** major group is projected to add 7,887 jobs by 2022. The group should see 1,546 total annual openings with 755 of the jobs due to replacement. Nursing Assistants is expected to lead the *Nursing, Psychiatric, and Home Health Aides* minor group with 2,914 jobs in net growth. Medical Assistants and Dental Assistants of the *Other Healthcare Support Occupations* minor group are expected to add 470 and 464 new jobs respectively. Nursing Assistants places on the Top 20 Growing Occupations by Net Growth list with 2,914 jobs expected, while Home Health Aides places on the Top 20 Fastest Growing Occupations by Percent Growth with an estimated 33.92 percent growth over the projection period.

The **Protective Service Occupations** major group is expected to add 2,615 jobs over the projection period with 938 total annual openings; of these, 676 will be due to replacement and 262 due to growth. The *Law Enforcement Workers* minor group leads the group with 1,279 new jobs anticipated, with 529 jobs in Correctional Officers and Jailers and 565 jobs in Police and Sheriff's Patrol Officers expected. Transportation Security Screeners falls on the Top 20 Fastest Growing Occupations by Percent Growth list with an expected 29.52 percent increase.

The **Food Preparation and Serving Related Occupations** major group is estimated to add 20,641 jobs during the projection period, making it the largest net growth of all the major groups. Of the 5,488 annual job openings, 3,424 should be due to replacement and 2,064 jobs for growth. The *Food and Beverage Serving Workers* minor group leads the group with 11,233 jobs expected, with Combined Food Preparation and Serving Workers, Including Fast Food and Waiters and Waitresses contributing 6,706 and 3,464 of those new jobs, respectively. Combined Food Preparation and Serving Workers, Including Fast Food falls on the Top 20 Growing Occupations by Net Growth, Top 20 Fastest Growing Occupations by Percent Growth, and Top 20 Occupations by Total Annual Openings.

The **Building and Grounds Cleaning and Maintenance Occupations** major group is projected to add 4,437 jobs by 2022. The group should have 1,335 total annual openings with 891 jobs due to replacement and 444 jobs due to growth. The *Building Cleaning and Pest Control Workers* minor group is expected to add 3,485 jobs with Janitors and Cleaners, Except Maids and Housekeeping Cleaners estimated to add 2,220 of those jobs. This occupation also falls in the Top 20 Occupations by Total Annual Openings list.

The **Personal Care and Service Occupations** major group is expected to gain 10,305 jobs over the projection period; of these, 1,040 annual openings should be due to growth and 772 annual openings due to replacement. The *Other Personal Care and Service Workers* minor group leads the group with 9,314 new jobs expected. Personal Care Aides is predicted to add 7,053 jobs to this minor group, with 808 total job openings expected annually and falls into the Top 20 Occupations by Total Annual Openings and tops the Top 20 Growing Occupations by Net Growth and Top 20 Fastest Growing Occupations by Percent Growth lists.

The **Sales and Related Occupations** major group is projected to gain 10,077 jobs by the end of 2022. The group is estimated to make available 4,887 jobs annually with 3,879 openings due to replacement and 1,008 openings due to growth. The *Retail Sales Workers* minor group is expected to gain 5,391 jobs over the 10-year period. Retail Salespersons will make up most of the net growth with 3,505 jobs expected, placing at the top of the Top 20 Occupations in Total Annual Openings list. *Supervisors of Sales Workers* is expected to see 1,558 new jobs over the projection period. First-Line Supervisors of Retail Sales Workers is expected to gain 1,360 of those jobs, with 512 of those jobs being total annual openings, also placing it on the Top 20 Occupations in Total Annual Openings list.

The **Office and Administrative Support Occupations** major group is expected to gain 11,835 jobs over the projection period. Annual openings for this group are estimated to be 5,669 with 4,240 openings due to replacement and 1,429 openings due to growth. The *Information and Record Clerks* minor group should see the most growth with 4,699 jobs added. Customer Service Representatives could see the most growth in this minor group, with 2,553 jobs added by 2022. While this major group will see gains, several occupations fall on both the Top 20 Declining Occupations by Net Growth and The Top 20 Fastest Declining Occupations by Percent Growth, including all three Postal Service occupations of which all could see over a 16 percent decrease over the projection period.

The **Farming, Fishing, and Forestry Occupations** major group is estimated to add 435 jobs by 2022; with 270 annual openings due to replacement and 63 annual openings due to growth. The *Agricultural Workers* minor group could add 508 jobs while the *Forest, Conservation, and Logging Workers* minor group could see a loss of 100 jobs. Most of the job losses could be in Fallers which is expected to lose 137 jobs. Fallers and Log Graders and Scalers take the top two spots on the Top 20 Fastest Declining Occupations by Percent Growth with a percent decline of 35.68 and 29.17, respectively.

The **Construction and Extraction Occupations** major group is projected to gain 4,453 jobs over the projection period, with 1,442 total annual openings expected. The group is expected to have 993 annual openings due to replacement and 449 annual openings due to growth. The *Construction Trades Workers* minor group is expected to see a large gain with 2,868 jobs expected. Insulation Workers, Mechanical should see an increase of 30.43 percent, placing it on the Top 20 Fastest Growing Occupations by Percent Growth list.

The **Installation, Maintenance, and Repair Occupations** major group is expected to gain 4,921 jobs by 2022; with 1,809 total annual openings expected; 1295 due to replacement and 514 annual openings due to growth. The *Other Installation, Maintenance, and Repair Occupations* minor group could lead the group with 3,176 jobs projected, with the Industrial Machinery Mechanics expecting to add 1,073 of those jobs. Medical Equipment Repairers is expected to grow by 24.64 percent over the projection period.

The **Production Occupations** major group is projected to add 6,345 jobs by 2022. The group is expected to add 2,369 annual openings due to replacement and 708 annual openings due to growth. The *Other Production Occupations* minor group leads the group with 1,971 jobs expected. Inspectors, Testers, Sorters, Samplers, and Weighers could see 639 of those new jobs. Computer-Controlled Machine Tool Operators, Metal and Plastic could see a 28.39 percent growth over the projection period, placing it on the Top 20 Fastest Growing Occupations by Percent Growth. But this major group also has five occupations on the Top 20 Declining Occupations by Net Growth and three on the Top 20 Fastest Declining Occupations by Percent Growth lists.

The **Transportation and Material Moving Occupations** major group is estimated to gain 7,408 jobs during the projection period. With 3,224 total annual openings expected, 2,423 should be due to replacement and 801 due to growth. Heavy and Tractor Trailer - Truck Drivers leads the group with 3,489 new jobs projected out of the 4,621 estimated in the *Motor Vehicle Operators* minor group, placing it on the Top 20 Growing Occupations by Net Growth list.

## Top 20 Growing Occupations by Net Growth

| SOC Code | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Openings due to Growth | Annual Openings due to Replacement | Total Annual Openings |
|----------|---|---------------------------|---------------------------|------------|----------------|-------------------------------|------------------------------------|-----------------------|
| 39-9021  | Personal Care Aides   | 14,436                    | 21,489                    | 7,053      | 48.86%         | 705                           | 103                                | 808                   |
| 35-3021  | Combined Food Preparation and Serving Workers, Including Fast Food              | 22,611                    | 29,317                    | 6,706      | 29.66%         | 671                           | 863                                | 1,534                 |
| 41-2031  | Retail Salespersons   | 38,063                    | 41,568                    | 3,505      | 9.21%          | 350                           | 1,302                              | 1,652                 |
| 53-3032  | Heavy and Tractor-Trailer Truck Drivers   | 35,670                    | 39,159                    | 3,489      | 9.78%          | 349                           | 570                                | 919                   |
| 35-3031  | Waiters and Waitresses  | 18,660                    | 22,124                    | 3,464      | 18.56%         | 346                           | 898                                | 1,244                 |
| 29-1141  | Registered Nurses   | 23,086                    | 26,527                    | 3,441      | 14.91%         | 344                           | 448                                | 792                   |
| 31-1014  | Nursing Assistants  | 19,379                    | 22,293                    | 2,914      | 15.04%         | 291                           | 369                                | 660                   |
| 31-1011  | Home Health Aides   | 8,505                     | 11,390                    | 2,885      | 33.92%         | 288                           | 162                                | 450                   |
| 43-6014  | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 23,772                    | 26,449                    | 2,677      | 11.26%         | 268                           | 286                                | 554                   |
| 43-4051  | Customer Service Representatives  | 18,191                    | 20,744                    | 2,553      | 14.03%         | 255                           | 495                                | 750                   |
| 29-2061  | Licensed Practical and Licensed Vocational Nurses                               | 12,282                    | 14,795                    | 2,513      | 20.46%         | 251                           | 300                                | 551                   |
| 35-2014  | Cooks, Restaurant   | 8,232                     | 10,697                    | 2,465      | 29.94%         | 246                           | 162                                | 408                   |
| 37-2011  | Janitors and Cleaners, Except Maids and Housekeeping Cleaners                   | 21,005                    | 23,225                    | 2,220      | 10.57%         | 222                           | 395                                | 617                   |
| 35-1012  | First-Line Supervisors of Food Preparation and Serving Workers                  | 8,528                     | 10,718                    | 2,190      | 25.68%         | 219                           | 241                                | 460                   |
| 25-2021  | Elementary School Teachers, Except Special Education                            | 11,069                    | 12,791                    | 1,722      | 15.56%         | 172                           | 244                                | 416                   |
| 11-1021  | General and Operations Managers   | 16,619                    | 18,280                    | 1,661      | 9.99%          | 166                           | 311                                | 477                   |
| 53-7062  | Laborers and Freight, Stock, and Material Movers, Hand                          | 22,948                    | 24,561                    | 1,613      | 7.03%          | 161                           | 711                                | 872                   |
| 43-1011  | First-Line Supervisors of Office and Administrative Support Workers             | 13,921                    | 15,498                    | 1,577      | 11.33%         | 158                           | 330                                | 488                   |
| 39-9011  | Childcare Workers   | 11,282                    | 12,839                    | 1,557      | 13.80%         | 156                           | 332                                | 488                   |
| 35-2011  | Cooks, Fast Food  | 10,938                    | 12,376                    | 1,438      | 13.15%         | 144                           | 216                                | 360                   |

## Top 20 Fastest Growing Occupations by Percent Growth (100 minimum employment)

| SOC Code | SOC Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Openings due to Growth | Annual Openings due to Replacement | Total Annual Openings |
|----------|--|---------------------------|---------------------------|------------|----------------|-------------------------------|------------------------------------|-----------------------|
| 39-9021  | Personal Care Aides  | 14,436                    | 21,489                    | 7,053      | 48.86%         | 705                           | 103                                | 808                   |
| 25-1071  | Health Specialties Teachers, Postsecondary                         | 465                       | 691                       | 226        | 48.60%         | 23                            | 7                                  | 30                    |
| 25-1072  | Nursing Instructors and Teachers, Postsecondary                    | 642                       | 933                       | 291        | 45.33%         | 29                            | 10                                 | 39                    |
| 29-2032  | Diagnostic Medical Sonographers                                    | 382                       | 539                       | 157        | 41.10%         | 16                            | 5                                  | 21                    |
| 39-5094  | Skincare Specialists   | 170                       | 238                       | 68         | 40.00%         | 7                             | 1                                  | 8                     |
| 19-1012  | Food Scientists and Technologists                                  | 342                       | 474                       | 132        | 38.60%         | 13                            | 11                                 | 24                    |
| 29-1071  | Physician Assistants   | 138                       | 191                       | 53         | 38.41%         | 5                             | 2                                  | 7                     |
| 31-1011  | Home Health Aides  | 8,505                     | 11,390                    | 2,885      | 33.92%         | 288                           | 162                                | 450                   |
| 31-2011  | Occupational Therapy Assistants                                    | 172                       | 228                       | 56         | 32.56%         | 6                             | 4                                  | 10                    |
| 29-1124  | Radiation Therapists   | 230                       | 303                       | 73         | 31.74%         | 7                             | 5                                  | 12                    |
| 29-1171  | Nurse Practitioners  | 794                       | 1,039                     | 245        | 30.86%         | 24                            | 15                                 | 39                    |
| 13-1121  | Meeting, Convention, and Event Planners                            | 344                       | 450                       | 106        | 30.81%         | 11                            | 5                                  | 16                    |
| 47-2132  | Insulation Workers, Mechanical                                     | 115                       | 150                       | 35         | 30.43%         | 4                             | 2                                  | 6                     |
| 29-2053  | Psychiatric Technicians  | 585                       | 762                       | 177        | 30.26%         | 18                            | 6                                  | 24                    |
| 35-2014  | Cooks, Restaurant  | 8,232                     | 10,697                    | 2,465      | 29.94%         | 246                           | 162                                | 408                   |
| 35-3021  | Combined Food Preparation and Serving Workers, Including Fast Food | 22,611                    | 29,317                    | 6,706      | 29.66%         | 671                           | 863                                | 1,534                 |
| 33-9093  | Transportation Security Screeners                                  | 227                       | 294                       | 67         | 29.52%         | 7                             | 5                                  | 12                    |
| 43-6013  | Medical Secretaries  | 2,087                     | 2,696                     | 609        | 29.18%         | 61                            | 25                                 | 86                    |
| 27-3091  | Interpreters and Translators                                       | 103                       | 133                       | 30         | 29.13%         | 3                             | 1                                  | 4                     |
| 51-4011  | Computer-Controlled Machine Tool Operators, Metal and Plastic      | 2,258                     | 2,899                     | 641        | 28.39%         | 64                            | 63                                 | 127                   |

## Top 20 Occupations by Total Annual Openings

| SOC Code | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Openings due to Growth | Annual Openings due to Replacement | Total Annual Openings |
|----------|---|---------------------------|---------------------------|------------|----------------|-------------------------------|------------------------------------|-----------------------|
| 41-2031  | Retail Salespersons   | 38,063                    | 41,568                    | 3,505      | 9.21%          | 350                           | 1,302                              | 1,652                 |
| 35-3021  | Combined Food Preparation and Serving Workers, Including Fast Food              | 22,611                    | 29,317                    | 6,706      | 29.66%         | 671                           | 863                                | 1,534                 |
| 41-2011  | Cashiers  | 29,203                    | 30,597                    | 1,394      | 4.77%          | 139                           | 1,262                              | 1,401                 |
| 35-3031  | Waiters and Waitresses  | 18,660                    | 22,124                    | 3,464      | 18.56%         | 346                           | 898                                | 1,244                 |
| 11-9013  | Farmers, Ranchers, and Other Agricultural Managers                              | 52,186                    | 53,265                    | 1,079      | 2.07%          | 108                           | 842                                | 950                   |
| 53-3032  | Heavy and Tractor-Trailer Truck Drivers   | 35,670                    | 39,159                    | 3,489      | 9.78%          | 349                           | 570                                | 919                   |
| 53-7062  | Laborers and Freight, Stock, and Material Movers, Hand                          | 22,948                    | 24,561                    | 1,613      | 7.03%          | 161                           | 711                                | 872                   |
| 39-9021  | Personal Care Aides   | 14,436                    | 21,489                    | 7,053      | 48.86%         | 705                           | 103                                | 808                   |
| 29-1141  | Registered Nurses   | 23,086                    | 26,527                    | 3,441      | 14.91%         | 344                           | 448                                | 792                   |
| 43-4051  | Customer Service Representatives  | 18,191                    | 20,744                    | 2,553      | 14.03%         | 255                           | 495                                | 750                   |
| 43-9061  | Office Clerks, General  | 29,445                    | 30,514                    | 1,069      | 3.63%          | 107                           | 619                                | 726                   |
| 31-1014  | Nursing Assistants  | 19,379                    | 22,293                    | 2,914      | 15.04%         | 291                           | 369                                | 660                   |
| 37-2011  | Janitors and Cleaners, Except Maids and Housekeeping Cleaners                   | 21,005                    | 23,225                    | 2,220      | 10.57%         | 222                           | 395                                | 617                   |
| 43-6014  | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 23,772                    | 26,449                    | 2,677      | 11.26%         | 268                           | 286                                | 554                   |
| 29-2061  | Licensed Practical and Licensed Vocational Nurses                               | 12,282                    | 14,795                    | 2,513      | 20.46%         | 251                           | 300                                | 551                   |
| 41-1011  | First-Line Supervisors of Retail Sales Workers                                  | 17,294                    | 18,654                    | 1,360      | 7.86%          | 136                           | 376                                | 512                   |
| 43-1011  | First-Line Supervisors of Office and Administrative Support Workers             | 13,921                    | 15,498                    | 1,577      | 11.33%         | 158                           | 330                                | 488                   |
| 39-9011  | Childcare Workers   | 11,282                    | 12,839                    | 1,557      | 13.80%         | 156                           | 332                                | 488                   |
| 43-5081  | Stock Clerks and Order Fillers  | 16,068                    | 15,762                    | -306       | -1.90%         | 0                             | 485                                | 485                   |
| 11-1021  | General and Operations Managers   | 16,619                    | 18,280                    | 1,661      | 9.99%          | 166                           | 311                                | 477                   |



## Top 20 Declining Occupations by Net Growth

| SOC Code | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Openings due to Growth | Annual Openings due to Replacement | Total Annual Openings |
|----------|---|---------------------------|---------------------------|------------|----------------|-------------------------------|------------------------------------|-----------------------|
| 43-5052  | Postal Service Mail Carriers  | 2,934                     | 2,456                     | -478       | -16.29%        | 0                             | 102                                | 102                   |
| 43-9021  | Data Entry Keyers   | 1,668                     | 1,226                     | -442       | -26.50%        | 0                             | 20                                 | 20                    |
| 53-7051  | Industrial Truck and Tractor Operators  | 7,815                     | 7,452                     | -363       | -4.64%         | 0                             | 179                                | 179                   |
| 43-5081  | Stock Clerks and Order Fillers  | 16,068                    | 15,762                    | -306       | -1.90%         | 0                             | 485                                | 485                   |
| 43-5053  | Postal Service Mail Sorters, Processors, and Processing Machine Operators                   | 885                       | 711                       | -174       | -19.66%        | 0                             | 6                                  | 6                     |
| 43-9011  | Computer Operators  | 949                       | 789                       | -160       | -16.86%        | 0                             | 9                                  | 9                     |
| 43-5051  | Postal Service Clerks   | 724                       | 565                       | -159       | -21.96%        | 0                             | 11                                 | 11                    |
| 43-2011  | Switchboard Operators, Including Answering Service  | 1,021                     | 870                       | -151       | -14.79%        | 0                             | 19                                 | 19                    |
| 45-4021  | Fallers   | 384                       | 247                       | -137       | -35.68%        | 0                             | 6                                  | 6                     |
| 51-4021  | Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic            | 1,295                     | 1,171                     | -124       | -9.58%         | 0                             | 25                                 | 25                    |
| 43-6011  | Executive Secretaries and Executive Administrative Assistants                               | 5,198                     | 5,099                     | -99        | -1.90%         | 0                             | 63                                 | 63                    |
| 51-4072  | Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic | 1,510                     | 1,416                     | -94        | -6.23%         | 0                             | 18                                 | 18                    |
| 51-4031  | Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic     | 2,179                     | 2,091                     | -88        | -4.04%         | 0                             | 18                                 | 18                    |
| 43-9071  | Office Machine Operators, Except Computer   | 783                       | 701                       | -82        | -10.47%        | 0                             | 19                                 | 19                    |
| 51-4081  | Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic                    | 790                       | 716                       | -74        | -9.37%         | 0                             | 15                                 | 15                    |
| 11-9131  | Postmasters and Mail Superintendents  | 543                       | 471                       | -72        | -13.26%        | 0                             | 12                                 | 12                    |
| 43-9022  | Word Processors and Typists   | 377                       | 305                       | -72        | -19.10%        | 0                             | 1                                  | 1                     |
| 51-4193  | Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic              | 857                       | 797                       | -60        | -7.00%         | 0                             | 16                                 | 16                    |
| 49-9052  | Telecommunications Line Installers and Repairers  | 972                       | 914                       | -58        | -5.97%         | 0                             | 24                                 | 24                    |
| 43-4151  | Order Clerks  | 1,429                     | 1,372                     | -57        | -3.99%         | 0                             | 38                                 | 38                    |

## Top 20 Fastest Declining Occupations by Percent Growth (Net Growth no Greater than -5)

| SOC Code | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Openings due to Growth | Annual Openings due to Replacement | Total Annual Openings |
|----------|---|---------------------------|---------------------------|------------|----------------|-------------------------------|------------------------------------|-----------------------|
| 45-4021  | Fallers   | 384                       | 247                       | -137       | -35.68%        | 0                             | 6                                  | 6                     |
| 45-4023  | Log Graders and Scalers   | 192                       | 136                       | -56        | -29.17%        | 0                             | 3                                  | 3                     |
| 43-9021  | Data Entry Keyers   | 1,668                     | 1,226                     | -442       | -26.50%        | 0                             | 20                                 | 20                    |
| 39-3021  | Motion Picture Projectionists   | 125                       | 96                        | -29        | -23.20%        | 0                             | 5                                  | 5                     |
| 43-5051  | Postal Service Clerks   | 724                       | 565                       | -159       | -21.96%        | 0                             | 11                                 | 11                    |
| 39-4011  | Embalmers   | 191                       | 153                       | -38        | -19.90%        | 0                             | 4                                  | 4                     |
| 43-5053  | Postal Service Mail Sorters, Processors, and Processing Machine Operators           | 885                       | 711                       | -174       | -19.66%        | 0                             | 6                                  | 6                     |
| 43-9022  | Word Processors and Typists   | 377                       | 305                       | -72        | -19.10%        | 0                             | 1                                  | 1                     |
| 49-9095  | Manufactured Building and Mobile Home Installers                                    | 65                        | 54                        | -11        | -16.92%        | 0                             | 2                                  | 2                     |
| 43-9011  | Computer Operators  | 949                       | 789                       | -160       | -16.86%        | 0                             | 9                                  | 9                     |
| 43-5052  | Postal Service Mail Carriers  | 2,934                     | 2,456                     | -478       | -16.29%        | 0                             | 102                                | 102                   |
| 51-4032  | Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 69                        | 58                        | -11        | -15.94%        | 0                             | 1                                  | 1                     |
| 43-2011  | Switchboard Operators, Including Answering Service                                  | 1,021                     | 870                       | -151       | -14.79%        | 0                             | 19                                 | 19                    |
| 47-2011  | Boilermakers  | 42                        | 36                        | -6         | -14.29%        | 0                             | 2                                  | 2                     |
| 11-9131  | Postmasters and Mail Superintendents  | 543                       | 471                       | -72        | -13.26%        | 0                             | 12                                 | 12                    |
| 51-2021  | Coil Winders, Tapers, and Finishers   | 344                       | 305                       | -39        | -11.34%        | 0                             | 4                                  | 4                     |
| 43-4181  | Reservation and Transportation Ticket Agents and Travel Clerks                      | 458                       | 408                       | -50        | -10.92%        | 0                             | 6                                  | 6                     |
| 43-9071  | Office Machine Operators, Except Computer   | 783                       | 701                       | -82        | -10.47%        | 0                             | 19                                 | 19                    |
| 51-4021  | Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic    | 1,295                     | 1,171                     | -124       | -9.58%         | 0                             | 25                                 | 25                    |
| 51-4081  | Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic            | 790                       | 716                       | -74        | -9.37%         | 0                             | 15                                 | 15                    |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code | SOC Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------|--|---------------------------|---------------------------|------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 00-0000  | Total, All Occupations   | 1,299,188                 | 1,435,135                 | 135,947    | 10.46%         | 14,053                 | 29,852                      | 43,905                |           |                 |              |
| 11-0000  | Management Occupations   | 115,265                   | 122,425                   | 7,160      | 6.21%          | 723                    | 2,123                       | 2,846                 |           |                 |              |
| 11-1000  | Top Executives   | 20,295                    | 22,188                    | 1,893      | 9.33%          | 189                    | 390                         | 579                   |           |                 |              |
| 11-1011  | Chief Executives   | 2,786                     | 2,932                     | 146        | 5.24%          | 15                     | 59                          | 74                    | 3         | 1               | 6            |
| 11-1021  | General and Operations Managers  | 16,619                    | 18,280                    | 1,661      | 9.99%          | 166                    | 311                         | 477                   | 3         | 2               | 6            |
| 11-1031  | Legislators  | 890                       | 976                       | 86         | 9.66%          | 9                      | 20                          | 29                    | 3         | 2               | 6            |
| 11-2000  | Advertising, Marketing, Promotions, Public Relations, and Sales Managers | 4,571                     | 5,079                     | 508        | 11.11%         | 51                     | 100                         | 151                   |           |                 |              |
| 11-2011  | Advertising and Promotions Managers                                      | 238                       | 256                       | 18         | 7.56%          | 2                      | 7                           | 9                     | 3         | 2               | 6            |
| 11-2021  | Marketing Managers   | 982                       | 1,143                     | 161        | 16.40%         | 16                     | 21                          | 37                    | 3         | 1               | 6            |
| 11-2022  | Sales Managers   | 3,072                     | 3,354                     | 282        | 9.18%          | 28                     | 66                          | 94                    | 3         | 2               | 6            |
| 11-2031  | Public Relations and Fundraising Managers                                | 279                       | 326                       | 47         | 16.85%         | 5                      | 6                           | 11                    | 3         | 1               | 6            |
| 11-3000  | Operations Specialties Managers  | 12,265                    | 13,439                    | 1,174      | 9.57%          | 117                    | 233                         | 350                   |           |                 |              |
| 11-3011  | Administrative Services Managers   | 2,530                     | 2,849                     | 319        | 12.61%         | 32                     | 41                          | 73                    | 3         | 2               | 6            |
| 11-3021  | Computer and Information Systems Managers                                | 1,372                     | 1,543                     | 171        | 12.46%         | 17                     | 19                          | 36                    | 3         | 1               | 6            |
| 11-3031  | Financial Managers   | 3,388                     | 3,705                     | 317        | 9.36%          | 32                     | 64                          | 96                    | 3         | 1               | 6            |
| 11-3051  | Industrial Production Managers   | 1,733                     | 1,813                     | 80         | 4.62%          | 8                      | 32                          | 40                    | 3         | 1               | 6            |
| 11-3061  | Purchasing Managers  | 500                       | 536                       | 36         | 7.20%          | 4                      | 11                          | 15                    | 3         | 1               | 6            |
| 11-3071  | Transportation, Storage, and Distribution Managers                       | 1,655                     | 1,773                     | 118        | 7.13%          | 12                     | 38                          | 50                    | 7         | 1               | 6            |
| 11-3111  | Compensation and Benefits Managers                                       | 193                       | 196                       | 3          | 1.55%          | 0                      | 5                           | 5                     | 3         | 1               | 6            |
| 11-3121  | Human Resources Managers   | 632                       | 732                       | 100        | 15.82%         | 10                     | 17                          | 27                    | 3         | 1               | 6            |
| 11-3131  | Training and Development Managers  | 262                       | 292                       | 30         | 11.45%         | 3                      | 7                           | 10                    | 3         | 1               | 6            |
| 11-9000  | Other Management Occupations   | 78,134                    | 81,719                    | 3,585      | 4.59%          | 366                    | 1,400                       | 1,766                 |           |                 |              |
| 11-9013  | Farmers, Ranchers, and Other Agricultural Managers                       | 52,186                    | 53,265                    | 1,079      | 2.07%          | 108                    | 842                         | 950                   | 7         | 1               | 6            |
| 11-9021  | Construction Managers  | 4,610                     | 4,868                     | 258        | 5.60%          | 26                     | 73                          | 99                    | 3         | 3               | 4            |
| 11-9031  | Education Administrators, Preschool and Childcare Center/Program         | 1,239                     | 1,430                     | 191        | 15.42%         | 19                     | 33                          | 52                    | 3         | 2               | 6            |
| 11-9032  | Education Administrators, Elementary and Secondary School                | 2,102                     | 2,279                     | 177        | 8.42%          | 18                     | 56                          | 74                    | 2         | 1               | 6            |
| 11-9033  | Education Administrators, Postsecondary                                  | 962                       | 1,177                     | 215        | 22.35%         | 22                     | 26                          | 48                    | 2         | 1               | 6            |
| 11-9041  | Architectural and Engineering Managers                                   | 715                       | 775                       | 60         | 8.39%          | 6                      | 18                          | 24                    | 3         | 1               | 6            |
| 11-9051  | Food Service Managers  | 3,355                     | 3,719                     | 364        | 10.85%         | 36                     | 60                          | 96                    | 7         | 2               | 6            |
| 11-9061  | Funeral Service Managers   | 145                       | 154                       | 9          | 6.21%          | 1                      | 3                           | 4                     | 4         | 2               | 6            |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code       | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth   | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------------|---|---------------------------|---------------------------|--------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 11-9081        | Lodging Managers  | 664                       | 702                       | 38           | 5.72%          | 4                      | 20                          | 24                    | 7         | 2               | 6            |
| 11-9111        | Medical and Health Services Managers                              | 2,196                     | 2,600                     | 404          | 18.40%         | 40                     | 53                          | 93                    | 3         | 3               | 6            |
| 11-9121        | Natural Sciences Managers   | 312                       | 348                       | 36           | 11.54%         | 4                      | 6                           | 10                    | 3         | 1               | 6            |
| 11-9131        | Postmasters and Mail Superintendents                              | 543                       | 471                       | -72          | -13.26%        | 0                      | 12                          | 12                    | 7         | 2               | 4            |
| 11-9141        | Property, Real Estate, and Community Association Managers         | 2,656                     | 2,870                     | 214          | 8.06%          | 21                     | 60                          | 81                    | 7         | 2               | 6            |
| 11-9151        | Social and Community Service Managers                             | 1,300                     | 1,541                     | 241          | 18.54%         | 24                     | 27                          | 51                    | 3         | 1               | 6            |
| 11-9161        | Emergency Management Directors                                    | 169                       | 185                       | 16           | 9.47%          | 2                      | 2                           | 4                     | 3         | 1               | 6            |
| 11-9199        | Managers, All Other   | 4,875                     | 5,218                     | 343          | 7.04%          | 34                     | 107                         | 141                   | 7         | 2               | 6            |
| <b>13-0000</b> | <b>Business and Financial Operations Occupations</b>              | <b>45,462</b>             | <b>50,536</b>             | <b>5,074</b> | <b>11.16%</b>  | <b>509</b>             | <b>920</b>                  | <b>1,429</b>          |           |                 |              |
| <i>13-1000</i> | <i>Business Operations Specialists</i>                            | <i>28,512</i>             | <i>31,800</i>             | <i>3,288</i> | <i>11.53%</i>  | <i>330</i>             | <i>502</i>                  | <i>832</i>            |           |                 |              |
| 13-1011        | Agents and Business Managers of Artists, Performers, and Athletes | 38                        | 44                        | 6            | 15.79%         | 1                      | 1                           | 2                     | 3         | 2               | 6            |
| 13-1021        | Buyers and Purchasing Agents, Farm Products                       | 373                       | 389                       | 16           | 4.29%          | 2                      | 7                           | 9                     | 7         | 3               | 3            |
| 13-1022        | Wholesale and Retail Buyers, Except Farm Products                 | 2,505                     | 2,746                     | 241          | 9.62%          | 24                     | 62                          | 86                    | 7         | 3               | 3            |
| 13-1023        | Purchasing Agents, Except Wholesale, Retail, and Farm Products    | 1,598                     | 1,689                     | 91           | 5.69%          | 9                      | 29                          | 38                    | 7         | 3               | 3            |
| 13-1031        | Claims Adjusters, Examiners, and Investigators                    | 1,804                     | 2,009                     | 205          | 11.36%         | 20                     | 42                          | 62                    | 7         | 3               | 3            |
| 13-1032        | Insurance Appraisers, Auto Damage                                 | 108                       | 116                       | 8            | 7.41%          | 1                      | 2                           | 3                     | 5         | 3               | 4            |
| 13-1041        | Compliance Officers   | 2,108                     | 2,324                     | 216          | 10.25%         | 22                     | 39                          | 61                    | 3         | 3               | 4            |
| 13-1051        | Cost Estimators   | 921                       | 1,056                     | 135          | 14.66%         | 14                     | 30                          | 44                    | 3         | 3               | 6            |
| 13-1071        | Human Resources Specialists                                       | 2,446                     | 2,608                     | 162          | 6.62%          | 16                     | 45                          | 61                    | 3         | 3               | 6            |
| 13-1075        | Labor Relations Specialists                                       | 567                       | 553                       | -14          | -2.47%         | 0                      | 10                          | 10                    | 3         | 3               | 6            |
| 13-1081        | Logisticians  | 1,055                     | 1,334                     | 279          | 26.45%         | 28                     | 12                          | 40                    | 3         | 3               | 6            |
| 13-1111        | Management Analysts   | 2,493                     | 2,682                     | 189          | 7.58%          | 19                     | 39                          | 58                    | 3         | 2               | 6            |
| 13-1121        | Meeting, Convention, and Event Planners                           | 344                       | 450                       | 106          | 30.81%         | 11                     | 5                           | 16                    | 3         | 3               | 6            |
| 13-1131        | Fundraisers   | 351                       | 438                       | 87           | 24.79%         | 9                      | 7                           | 16                    | 3         | 3               | 6            |
| 13-1141        | Compensation, Benefits, and Job Analysis Specialists              | 807                       | 856                       | 49           | 6.07%          | 5                      | 15                          | 20                    | 3         | 3               | 6            |
| 13-1151        | Training and Development Specialists                              | 1,500                     | 1,701                     | 201          | 13.40%         | 20                     | 27                          | 47                    | 3         | 2               | 6            |
| 13-1161        | Market Research Analysts and Marketing Specialists                | 2,069                     | 2,608                     | 539          | 26.05%         | 54                     | 28                          | 82                    | 3         | 3               | 6            |
| 13-1199        | Business Operations Specialists, All Other                        | 7,425                     | 8,197                     | 772          | 10.40%         | 77                     | 102                         | 179                   | 7         | 3               | 6            |
| <i>13-2000</i> | <i>Financial Specialists</i>                                      | <i>16,950</i>             | <i>18,736</i>             | <i>1,786</i> | <i>10.54%</i>  | <i>179</i>             | <i>418</i>                  | <i>597</i>            |           |                 |              |
| 13-2011        | Accountants and Auditors  | 7,647                     | 8,547                     | 900          | 11.77%         | 90                     | 226                         | 316                   | 3         | 3               | 6            |
| 13-2021        | Appraisers and Assessors of Real Estate                           | 1,296                     | 1,343                     | 47           | 3.63%          | 5                      | 12                          | 17                    | 3         | 3               | 3            |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code       | SOC Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth   | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------------|--|---------------------------|---------------------------|--------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 13-2031        | Budget Analysts                                  | 569                       | 665                       | 96           | 16.87%         | 10                     | 23                          | 33                    | 3         | 3               | 6            |
| 13-2041        | Credit Analysts                                  | 306                       | 345                       | 39           | 12.75%         | 4                      | 8                           | 12                    | 3         | 3               | 6            |
| 13-2051        | Financial Analysts                               | 838                       | 932                       | 94           | 11.22%         | 9                      | 20                          | 29                    | 3         | 3               | 6            |
| 13-2052        | Personal Financial Advisors                      | 675                       | 823                       | 148          | 21.93%         | 15                     | 11                          | 26                    | 3         | 3               | 6            |
| 13-2053        | Insurance Underwriters                           | 503                       | 521                       | 18           | 3.58%          | 2                      | 14                          | 16                    | 3         | 3               | 4            |
| 13-2061        | Financial Examiners                              | 205                       | 227                       | 22           | 10.73%         | 2                      | 5                           | 7                     | 3         | 3               | 4            |
| 13-2071        | Credit Counselors                                | 71                        | 87                        | 16           | 22.54%         | 2                      | 1                           | 3                     | 3         | 3               | 4            |
| 13-2072        | Loan Officers                                    | 2,495                     | 2,664                     | 169          | 6.77%          | 17                     | 46                          | 63                    | 3         | 3               | 4            |
| 13-2081        | Tax Examiners and Collectors, and Revenue Agents | 739                       | 808                       | 69           | 9.34%          | 7                      | 25                          | 32                    | 3         | 3               | 4            |
| 13-2082        | Tax Preparers                                    | 1,076                     | 1,152                     | 76           | 7.06%          | 8                      | 22                          | 30                    | 7         | 3               | 4            |
| 13-2099        | Financial Specialists, All Other                 | 530                       | 622                       | 92           | 17.36%         | 9                      | 6                           | 15                    | 3         | 3               | 4            |
| <b>15-0000</b> | <b>Computer and Mathematical Occupations</b>     | <b>19,657</b>             | <b>21,539</b>             | <b>1,882</b> | <b>9.57%</b>   | <b>193</b>             | <b>354</b>                  | <b>547</b>            |           |                 |              |
| 15-1100        | Computer Occupations                             | 18,655                    | 20,287                    | 1,632        | 8.75%          | 168                    | 325                         | 493                   |           |                 |              |
| 15-1121        | Computer Systems Analysts                        | 1,638                     | 1,889                     | 251          | 15.32%         | 25                     | 26                          | 51                    | 3         | 3               | 6            |
| 15-1122        | Information Security Analysts                    | 858                       | 1,095                     | 237          | 27.62%         | 24                     | 14                          | 38                    | 3         | 2               | 6            |
| 15-1131        | Computer Programmers                             | 3,566                     | 3,533                     | -33          | -0.93%         | 0                      | 93                          | 93                    | 3         | 3               | 6            |
| 15-1132        | Software Developers, Applications                | 1,941                     | 2,176                     | 235          | 12.11%         | 24                     | 25                          | 49                    | 3         | 3               | 6            |
| 15-1133        | Software Developers, Systems Software            | 1,041                     | 1,162                     | 121          | 11.62%         | 12                     | 13                          | 25                    | 3         | 3               | 6            |
| 15-1134        | Web Developers                                   | 655                       | 743                       | 88           | 13.44%         | 9                      | 10                          | 19                    | 4         | 3               | 6            |
| 15-1141        | Database Administrators                          | 1,147                     | 1,293                     | 146          | 12.73%         | 15                     | 22                          | 37                    | 3         | 2               | 6            |
| 15-1142        | Network and Computer Systems Administrators      | 2,262                     | 2,403                     | 141          | 6.23%          | 14                     | 36                          | 50                    | 3         | 3               | 6            |
| 15-1143        | Computer Network Architects                      | 1,150                     | 1,164                     | 14           | 1.22%          | 1                      | 18                          | 19                    | 3         | 1               | 6            |
| 15-1151        | Computer User Support Specialists                | 2,830                     | 3,220                     | 390          | 13.78%         | 39                     | 44                          | 83                    | 6         | 3               | 4            |
| 15-1152        | Computer Network Support Specialists             | 956                       | 945                       | -11          | -1.15%         | 0                      | 15                          | 15                    | 4         | 3               | 6            |
| 15-2000        | Mathematical Science Occupations                 | 1,002                     | 1,252                     | 250          | 24.95%         | 25                     | 28                          | 53                    |           |                 |              |
| 15-2031        | Operations Research Analysts                     | 358                       | 446                       | 88           | 24.58%         | 9                      | 8                           | 17                    | 3         | 3               | 6            |
| <b>17-0000</b> | <b>Architecture and Engineering Occupations</b>  | <b>11,916</b>             | <b>12,610</b>             | <b>694</b>   | <b>5.82%</b>   | <b>74</b>              | <b>281</b>                  | <b>355</b>            |           |                 |              |
| 17-1000        | Architects, Surveyors, and Cartographers         | 1,305                     | 1,397                     | 92           | 7.05%          | 9                      | 30                          | 39                    |           |                 |              |
| 17-1011        | Architects, Except Landscape and Naval           | 702                       | 766                       | 64           | 9.12%          | 6                      | 17                          | 23                    | 3         | 3               | 1            |
| 17-1012        | Landscape Architects                             | 41                        | 45                        | 4            | 9.76%          | 0                      | 1                           | 1                     | 3         | 3               | 1            |
| 17-1021        | Cartographers and Photogrammetrists              | 94                        | 109                       | 15           | 15.96%         | 2                      | 2                           | 4                     | 3         | 3               | 6            |
| 17-1022        | Surveyors  | 468                       | 477                       | 9            | 1.92%          | 1                      | 10                          | 11                    | 3         | 2               | 6            |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code | SOC Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------|--|---------------------------|---------------------------|------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 17-2000  | <i>Engineers</i>   | 6,715                     | 7,218                     | 503        | 7.49%          | 51                     | 180                         | 231                   |           |                 |              |
| 17-2011  | Aerospace Engineers  | 181                       | 178                       | -3         | -1.66%         | 0                      | 4                           | 4                     | 3         | 3               | 6            |
| 17-2031  | Biomedical Engineers   | 31                        | 37                        | 6          | 19.35%         | 1                      | 1                           | 2                     | 3         | 3               | 6            |
| 17-2041  | Chemical Engineers   | 163                       | 177                       | 14         | 8.59%          | 1                      | 4                           | 5                     | 3         | 3               | 6            |
| 17-2051  | Civil Engineers  | 1,615                     | 1,794                     | 179        | 11.08%         | 18                     | 39                          | 57                    | 3         | 3               | 6            |
| 17-2061  | Computer Hardware Engineers  | 107                       | 114                       | 7          | 6.54%          | 1                      | 2                           | 3                     | 3         | 3               | 6            |
| 17-2071  | Electrical Engineers   | 629                       | 668                       | 39         | 6.20%          | 4                      | 14                          | 18                    | 3         | 3               | 6            |
| 17-2072  | Electronics Engineers, Except Computer                                     | 351                       | 361                       | 10         | 2.85%          | 1                      | 8                           | 9                     | 3         | 3               | 6            |
| 17-2081  | Environmental Engineers  | 216                       | 234                       | 18         | 8.33%          | 2                      | 5                           | 7                     | 3         | 3               | 6            |
| 17-2111  | Health and Safety Engineers, Except Mining Safety Engineers and Inspectors | 101                       | 104                       | 3          | 2.97%          | 0                      | 3                           | 3                     | 3         | 3               | 6            |
| 17-2112  | Industrial Engineers   | 1,472                     | 1,567                     | 95         | 6.45%          | 10                     | 43                          | 53                    | 3         | 3               | 6            |
| 17-2131  | Materials Engineers  | 110                       | 119                       | 9          | 8.18%          | 1                      | 4                           | 5                     | 3         | 3               | 6            |
| 17-2141  | Mechanical Engineers   | 1,290                     | 1,360                     | 70         | 5.43%          | 7                      | 44                          | 51                    | 3         | 3               | 6            |
| 17-2199  | Engineers, All Other   | 229                       | 246                       | 17         | 7.42%          | 2                      | 4                           | 6                     | 3         | 3               | 6            |
| 17-3000  | <i>Drafters, Engineering Technicians, and Mapping Technicians</i>          | 3,896                     | 3,995                     | 99         | 2.54%          | 15                     | 71                          | 86                    |           |                 |              |
| 17-3011  | Architectural and Civil Drafters   | 598                       | 576                       | -22        | -3.68%         | 0                      | 8                           | 8                     | 4         | 3               | 6            |
| 17-3012  | Electrical and Electronics Drafters  | 127                       | 127                       | 0          | 0.00%          | 0                      | 2                           | 2                     | 4         | 3               | 6            |
| 17-3013  | Mechanical Drafters  | 374                       | 352                       | -22        | -5.88%         | 0                      | 5                           | 5                     | 4         | 3               | 6            |
| 17-3019  | Drafters, All Other  | 36                        | 38                        | 2          | 5.56%          | 0                      | 0                           | 0                     | 4         | 3               | 6            |
| 17-3021  | Aerospace Engineering and Operations Technicians                           | 39                        | 38                        | -1         | -2.56%         | 0                      | 1                           | 1                     | 4         | 3               | 6            |
| 17-3022  | Civil Engineering Technicians  | 238                       | 236                       | -2         | -0.84%         | 0                      | 5                           | 5                     | 4         | 3               | 6            |
| 17-3023  | Electrical and Electronics Engineering Technicians                         | 701                       | 720                       | 19         | 2.71%          | 2                      | 14                          | 16                    | 4         | 3               | 6            |
| 17-3024  | Electro-Mechanical Technicians   | 25                        | 26                        | 1          | 4.00%          | 0                      | 0                           | 0                     | 4         | 3               | 6            |
| 17-3025  | Environmental Engineering Technicians                                      | 330                       | 359                       | 29         | 8.79%          | 3                      | 7                           | 10                    | 4         | 3               | 6            |
| 17-3026  | Industrial Engineering Technicians   | 409                       | 424                       | 15         | 3.67%          | 2                      | 8                           | 10                    | 4         | 3               | 6            |
| 17-3027  | Mechanical Engineering Technicians   | 261                       | 276                       | 15         | 5.75%          | 2                      | 5                           | 7                     | 4         | 3               | 6            |
| 17-3029  | Engineering Technicians, Except Drafters, All Other                        | 242                       | 262                       | 20         | 8.26%          | 2                      | 5                           | 7                     | 4         | 3               | 6            |
| 17-3031  | Surveying and Mapping Technicians  | 516                       | 561                       | 45         | 8.72%          | 4                      | 9                           | 13                    | 7         | 3               | 4            |
| 19-0000  | <i>Life, Physical, and Social Science Occupations</i>                      | 6,861                     | 7,739                     | 878        | 12.80%         | 88                     | 210                         | 298                   |           |                 |              |
| 19-1000  | <i>Life Scientists</i>   | 2,010                     | 2,307                     | 297        | 14.78%         | 30                     | 58                          | 88                    |           |                 |              |
| 19-1011  | Animal Scientists  | 81                        | 89                        | 8          | 9.88%          | 1                      | 3                           | 4                     | 1         | 3               | 6            |
| 19-1012  | Food Scientists and Technologists  | 342                       | 474                       | 132        | 38.60%         | 13                     | 11                          | 24                    | 3         | 3               | 6            |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code       | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth   | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------------|---|---------------------------|---------------------------|--------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 19-1013        | Soil and Plant Scientists   | 113                       | 126                       | 13           | 11.50%         | 1                      | 4                           | 5                     | 3         | 3               | 6            |
| 19-1022        | Microbiologists   | 153                       | 166                       | 13           | 8.50%          | 1                      | 4                           | 5                     | 3         | 3               | 6            |
| 19-1023        | Zoologists and Wildlife Biologists  | 182                       | 199                       | 17           | 9.34%          | 2                      | 5                           | 7                     | 3         | 3               | 6            |
| 19-1029        | Biological Scientists, All Other  | 251                       | 274                       | 23           | 9.16%          | 2                      | 7                           | 9                     | 3         | 3               | 6            |
| 19-1031        | Conservation Scientists   | 238                       | 260                       | 22           | 9.24%          | 2                      | 7                           | 9                     | 3         | 3               | 6            |
| 19-1032        | Foresters   | 292                       | 321                       | 29           | 9.93%          | 3                      | 8                           | 11                    | 3         | 3               | 6            |
| 19-1041        | Epidemiologists   | 44                        | 48                        | 4            | 9.09%          | 0                      | 1                           | 1                     | 2         | 3               | 6            |
| 19-1042        | Medical Scientists, Except Epidemiologists  | 293                       | 325                       | 32           | 10.92%         | 3                      | 6                           | 9                     | 1         | 3               | 6            |
| <i>19-2000</i> | <i>Physical Scientists</i>  | <i>1,120</i>              | <i>1,230</i>              | <i>110</i>   | <i>9.82%</i>   | <i>11</i>              | <i>30</i>                   | <i>41</i>             |           |                 |              |
| 19-2021        | Atmospheric and Space Scientists  | 41                        | 46                        | 5            | 12.20%         | 0                      | 1                           | 1                     | 3         | 3               | 6            |
| 19-2031        | Chemists  | 397                       | 437                       | 40           | 10.08%         | 4                      | 10                          | 14                    | 3         | 3               | 6            |
| 19-2041        | Environmental Scientists and Specialists, Including Health                            | 366                       | 396                       | 30           | 8.20%          | 3                      | 11                          | 14                    | 3         | 3               | 6            |
| 19-2042        | Geoscientists, Except Hydrologists and Geographers                                    | 159                       | 183                       | 24           | 15.09%         | 2                      | 5                           | 7                     | 3         | 3               | 6            |
| <i>19-3000</i> | <i>Social Scientists and Related Workers</i>  | <i>1,210</i>              | <i>1,360</i>              | <i>150</i>   | <i>12.40%</i>  | <i>15</i>              | <i>32</i>                   | <i>47</i>             |           |                 |              |
| 19-3011        | Economists  | 73                        | 81                        | 8            | 10.96%         | 1                      | 2                           | 3                     | 2         | 3               | 6            |
| 19-3022        | Survey Researchers  | 41                        | 43                        | 2            | 4.88%          | 0                      | 1                           | 1                     | 2         | 3               | 6            |
| 19-3031        | Clinical, Counseling, and School Psychologists  | 662                       | 735                       | 73           | 11.03%         | 7                      | 18                          | 25                    | 1         | 3               | 1            |
| 19-3051        | Urban and Regional Planners   | 87                        | 96                        | 9            | 10.34%         | 1                      | 4                           | 5                     | 2         | 3               | 6            |
| 19-3091        | Anthropologists and Archeologists   | 77                        | 91                        | 14           | 18.18%         | 1                      | 1                           | 2                     | 2         | 3               | 6            |
| 19-3099        | Social Scientists and Related Workers, All Other                                      | 156                       | 170                       | 14           | 8.97%          | 1                      | 3                           | 4                     | 3         | 3               | 6            |
| <i>19-4000</i> | <i>Life, Physical, and Social Science Technicians</i>                                 | <i>2,521</i>              | <i>2,842</i>              | <i>321</i>   | <i>12.73%</i>  | <i>32</i>              | <i>90</i>                   | <i>122</i>            |           |                 |              |
| 19-4011        | Agricultural and Food Science Technicians   | 630                       | 696                       | 66           | 10.48%         | 7                      | 23                          | 30                    | 4         | 3               | 4            |
| 19-4021        | Biological Technicians  | 237                       | 258                       | 21           | 8.86%          | 2                      | 7                           | 9                     | 3         | 3               | 6            |
| 19-4031        | Chemical Technicians  | 310                       | 355                       | 45           | 14.52%         | 4                      | 8                           | 12                    | 4         | 3               | 4            |
| 19-4061        | Social Science Research Assistants  | 126                       | 145                       | 19           | 15.08%         | 2                      | 5                           | 7                     | 4         | 3               | 6            |
| 19-4091        | Environmental Science and Protection Technicians, Including Health                    | 181                       | 200                       | 19           | 10.50%         | 2                      | 7                           | 9                     | 4         | 3               | 6            |
| 19-4093        | Forest and Conservation Technicians   | 271                       | 304                       | 33           | 12.18%         | 3                      | 11                          | 14                    | 4         | 3               | 6            |
| 19-4099        | Life, Physical, and Social Science Technicians, All Other                             | 499                       | 565                       | 66           | 13.23%         | 7                      | 20                          | 27                    | 4         | 3               | 6            |
| <b>21-0000</b> | <b>Community and Social Service Occupations</b>                                       | <b>23,137</b>             | <b>27,152</b>             | <b>4,015</b> | <b>17.35%</b>  | <b>402</b>             | <b>522</b>                  | <b>924</b>            |           |                 |              |
| <i>21-1000</i> | <i>Counselors, Social Workers, and Other Community and Social Service Specialists</i> | <i>14,007</i>             | <i>16,616</i>             | <i>2,609</i> | <i>18.63%</i>  | <i>261</i>             | <i>326</i>                  | <i>587</i>            |           |                 |              |
| 21-1011        | Substance Abuse and Behavioral Disorder Counselors                                    | 522                       | 653                       | 131          | 25.10%         | 13                     | 11                          | 24                    | 7         | 3               | 4            |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code       | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth    | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------------|---|---------------------------|---------------------------|---------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 21-1012        | Educational, Guidance, School, and Vocational Counselors      | 2,073                     | 2,365                     | 292           | 14.09%         | 29                     | 44                          | 73                    | 2         | 3               | 6            |
| 21-1014        | Mental Health Counselors                                      | 736                       | 939                       | 203           | 27.58%         | 20                     | 16                          | 36                    | 2         | 3               | 1            |
| 21-1015        | Rehabilitation Counselors                                     | 377                       | 455                       | 78            | 20.69%         | 8                      | 8                           | 16                    | 2         | 3               | 6            |
| 21-1021        | Child, Family, and School Social Workers                      | 1,381                     | 1,579                     | 198           | 14.34%         | 20                     | 29                          | 49                    | 3         | 3               | 6            |
| 21-1022        | Healthcare Social Workers                                     | 1,229                     | 1,493                     | 264           | 21.48%         | 26                     | 26                          | 52                    | 2         | 3               | 6            |
| 21-1023        | Mental Health and Substance Abuse Social Workers              | 708                       | 892                       | 184           | 25.99%         | 18                     | 15                          | 33                    | 3         | 3               | 6            |
| 21-1029        | Social Workers, All Other                                     | 706                       | 783                       | 77            | 10.91%         | 8                      | 15                          | 23                    | 3         | 3               | 6            |
| 21-1091        | Health Educators  | 240                       | 283                       | 43            | 17.92%         | 4                      | 6                           | 10                    | 3         | 3               | 6            |
| 21-1092        | Probation Officers and Correctional Treatment Specialists     | 956                       | 1,001                     | 45            | 4.71%          | 4                      | 25                          | 29                    | 3         | 3               | 5            |
| 21-1093        | Social and Human Service Assistants                           | 3,870                     | 4,755                     | 885           | 22.87%         | 88                     | 101                         | 189                   | 7         | 3               | 5            |
| 21-1094        | Community Health Workers                                      | 334                       | 398                       | 64            | 19.16%         | 6                      | 9                           | 15                    | 7         | 3               | 5            |
| 21-1099        | Community and Social Service Specialists, All Other           | 488                       | 567                       | 79            | 16.19%         | 8                      | 13                          | 21                    | 2         | 3               | 6            |
| <b>21-2000</b> | <b>Religious Workers</b>                                      | <b>9,130</b>              | <b>10,536</b>             | <b>1,406</b>  | <b>15.40%</b>  | <b>141</b>             | <b>195</b>                  | <b>336</b>            |           |                 |              |
| 21-2011        | Clergy  | 7,386                     | 8,435                     | 1,049         | 14.20%         | 105                    | 151                         | 256                   | 3         | 3               | 4            |
| 21-2021        | Directors, Religious Activities and Education                 | 386                       | 441                       | 55            | 14.25%         | 6                      | 13                          | 19                    | 3         | 2               | 6            |
| 21-2099        | Religious Workers, All Other                                  | 1,358                     | 1,660                     | 302           | 22.24%         | 30                     | 31                          | 61                    | 3         | 3               | 6            |
| <b>23-0000</b> | <b>Legal Occupations</b>                                      | <b>7,983</b>              | <b>8,976</b>              | <b>993</b>    | <b>12.44%</b>  | <b>99</b>              | <b>128</b>                  | <b>227</b>            |           |                 |              |
| <b>23-1000</b> | <b>Lawyers, Judges, and Related Workers</b>                   | <b>5,418</b>              | <b>6,027</b>              | <b>609</b>    | <b>11.24%</b>  | <b>61</b>              | <b>87</b>                   | <b>148</b>            |           |                 |              |
| 23-1011        | Lawyers   | 4,422                     | 4,937                     | 515           | 11.65%         | 52                     | 71                          | 123                   | 1         | 3               | 6            |
| 23-1012        | Judicial Law Clerks   | 104                       | 114                       | 10            | 9.62%          | 1                      | 2                           | 3                     | 1         | 3               | 6            |
| 23-1021        | Administrative Law Judges, Adjudicators, and Hearing Officers | 532                       | 584                       | 52            | 9.77%          | 5                      | 8                           | 13                    | 1         | 2               | 5            |
| 23-1022        | Arbitrators, Mediators, and Conciliators                      | 21                        | 26                        | 5             | 23.81%         | 0                      | 0                           | 0                     | 3         | 2               | 4            |
| 23-1023        | Judges, Magistrate Judges, and Magistrates                    | 339                       | 366                       | 27            | 7.96%          | 3                      | 5                           | 8                     | 1         | 1               | 5            |
| <b>23-2000</b> | <b>Legal Support Workers</b>                                  | <b>2,565</b>              | <b>2,949</b>              | <b>384</b>    | <b>14.97%</b>  | <b>38</b>              | <b>42</b>                   | <b>80</b>             |           |                 |              |
| 23-2011        | Paralegals and Legal Assistants                               | 1,449                     | 1,725                     | 276           | 19.05%         | 28                     | 24                          | 52                    | 4         | 3               | 6            |
| 23-2091        | Court Reporters   | 197                       | 216                       | 19            | 9.64%          | 2                      | 3                           | 5                     | 5         | 3               | 5            |
| 23-2093        | Title Examiners, Abstractors, and Searchers                   | 589                       | 648                       | 59            | 10.02%         | 6                      | 10                          | 16                    | 7         | 3               | 5            |
| 23-2099        | Legal Support Workers, All Other                              | 330                       | 360                       | 30            | 9.09%          | 3                      | 5                           | 8                     | 7         | 3               | 5            |
| <b>25-0000</b> | <b>Education, Training, and Library Occupations</b>           | <b>70,716</b>             | <b>81,122</b>             | <b>10,406</b> | <b>14.72%</b>  | <b>1,041</b>           | <b>1,498</b>                | <b>2,539</b>          |           |                 |              |
| <b>25-1000</b> | <b>Postsecondary Teachers</b>                                 | <b>12,031</b>             | <b>14,887</b>             | <b>2,856</b>  | <b>23.74%</b>  | <b>286</b>             | <b>181</b>                  | <b>467</b>            |           |                 |              |
| 25-1011        | Business Teachers, Postsecondary                              | 794                       | 986                       | 192           | 24.18%         | 19                     | 12                          | 31                    | 1         | 3               | 6            |
| 25-1021        | Computer Science Teachers, Postsecondary                      | 278                       | 341                       | 63            | 22.66%         | 6                      | 4                           | 10                    | 1         | 3               | 6            |



# 2012-2022 State of Arkansas Occupational Projections

| SOC Code | SOC Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------|--|---------------------------|---------------------------|------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 25-1022  | Mathematical Science Teachers, Postsecondary                           | 541                       | 657                       | 116        | 21.44%         | 12                     | 8                           | 20                    | 1         | 3               | 6            |
| 25-1032  | Engineering Teachers, Postsecondary                                    | 260                       | 312                       | 52         | 20.00%         | 5                      | 4                           | 9                     | 1         | 3               | 6            |
| 25-1041  | Agricultural Sciences Teachers, Postsecondary                          | 257                       | 293                       | 36         | 14.01%         | 4                      | 4                           | 8                     | 1         | 3               | 6            |
| 25-1042  | Biological Science Teachers, Postsecondary                             | 450                       | 567                       | 117        | 26.00%         | 12                     | 7                           | 19                    | 1         | 3               | 6            |
| 25-1051  | Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary | 75                        | 90                        | 15         | 20.00%         | 2                      | 1                           | 3                     | 1         | 3               | 6            |
| 25-1052  | Chemistry Teachers, Postsecondary                                      | 224                       | 275                       | 51         | 22.77%         | 5                      | 3                           | 8                     | 1         | 3               | 6            |
| 25-1053  | Environmental Science Teachers, Postsecondary                          | 67                        | 83                        | 16         | 23.88%         | 2                      | 1                           | 3                     | 1         | 3               | 6            |
| 25-1054  | Physics Teachers, Postsecondary  | 131                       | 161                       | 30         | 22.90%         | 3                      | 2                           | 5                     | 1         | 3               | 6            |
| 25-1061  | Anthropology and Archeology Teachers, Postsecondary                    | 46                        | 56                        | 10         | 21.74%         | 1                      | 1                           | 2                     | 1         | 3               | 6            |
| 25-1063  | Economics Teachers, Postsecondary                                      | 98                        | 121                       | 23         | 23.47%         | 2                      | 2                           | 4                     | 1         | 3               | 6            |
| 25-1064  | Geography Teachers, Postsecondary                                      | 40                        | 48                        | 8          | 20.00%         | 1                      | 1                           | 2                     | 1         | 3               | 6            |
| 25-1065  | Political Science Teachers, Postsecondary                              | 123                       | 152                       | 29         | 23.58%         | 3                      | 2                           | 5                     | 1         | 3               | 6            |
| 25-1066  | Psychology Teachers, Postsecondary                                     | 305                       | 374                       | 69         | 22.62%         | 7                      | 5                           | 12                    | 1         | 3               | 6            |
| 25-1067  | Sociology Teachers, Postsecondary                                      | 172                       | 210                       | 38         | 22.09%         | 4                      | 3                           | 7                     | 1         | 3               | 6            |
| 25-1069  | Social Sciences Teachers, Postsecondary, All Other                     | 68                        | 82                        | 14         | 20.59%         | 1                      | 1                           | 2                     | 1         | 3               | 6            |
| 25-1071  | Health Specialties Teachers, Postsecondary                             | 465                       | 691                       | 226        | 48.60%         | 23                     | 7                           | 30                    | 1         | 2               | 6            |
| 25-1072  | Nursing Instructors and Teachers, Postsecondary                        | 642                       | 933                       | 291        | 45.33%         | 29                     | 10                          | 39                    | 2         | 2               | 6            |
| 25-1081  | Education Teachers, Postsecondary                                      | 661                       | 812                       | 151        | 22.84%         | 15                     | 10                          | 25                    | 1         | 3               | 6            |
| 25-1111  | Criminal Justice and Law Enforcement Teachers, Postsecondary           | 105                       | 130                       | 25         | 23.81%         | 2                      | 2                           | 4                     | 1         | 3               | 6            |
| 25-1113  | Social Work Teachers, Postsecondary                                    | 109                       | 132                       | 23         | 21.10%         | 2                      | 2                           | 4                     | 1         | 3               | 6            |
| 25-1121  | Art, Drama, and Music Teachers, Postsecondary                          | 722                       | 896                       | 174        | 24.10%         | 17                     | 11                          | 28                    | 2         | 3               | 6            |
| 25-1122  | Communications Teachers, Postsecondary                                 | 304                       | 373                       | 69         | 22.70%         | 7                      | 5                           | 12                    | 1         | 3               | 6            |
| 25-1123  | English Language and Literature Teachers, Postsecondary                | 662                       | 805                       | 143        | 21.60%         | 14                     | 10                          | 24                    | 1         | 3               | 6            |
| 25-1124  | Foreign Language and Literature Teachers, Postsecondary                | 234                       | 288                       | 54         | 23.08%         | 5                      | 4                           | 9                     | 1         | 3               | 6            |
| 25-1125  | History Teachers, Postsecondary  | 268                       | 327                       | 59         | 22.01%         | 6                      | 4                           | 10                    | 1         | 3               | 6            |
| 25-1126  | Philosophy and Religion Teachers, Postsecondary                        | 195                       | 250                       | 55         | 28.21%         | 6                      | 3                           | 9                     | 1         | 3               | 6            |
| 25-1191  | Graduate Teaching Assistants   | 804                       | 945                       | 141        | 17.54%         | 14                     | 12                          | 26                    | 3         | 3               | 6            |
| 25-1192  | Home Economics Teachers, Postsecondary                                 | 72                        | 86                        | 14         | 19.44%         | 1                      | 1                           | 2                     | 2         | 3               | 6            |
| 25-1193  | Recreation and Fitness Studies Teachers, Postsecondary                 | 346                       | 421                       | 75         | 21.68%         | 8                      | 5                           | 13                    | 1         | 3               | 6            |
| 25-1194  | Vocational Education Teachers, Postsecondary                           | 939                       | 1,197                     | 258        | 27.48%         | 26                     | 14                          | 40                    | 3         | 2               | 6            |
| 25-1199  | Postsecondary Teachers, All Other                                      | 1,451                     | 1,639                     | 188        | 12.96%         | 19                     | 22                          | 41                    | 1         | 3               | 6            |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------|---|---------------------------|---------------------------|------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 25-2000  | <i>Preschool, Primary, Secondary, and Special Education School Teachers</i> | 37,070                    | 42,035                    | 4,965      | 13.39%         | 496                    | 875                         | 1,371                 |           |                 |              |
| 25-2011  | Preschool Teachers, Except Special Education                                | 2,913                     | 3,401                     | 488        | 16.75%         | 49                     | 82                          | 131                   | 4         | 3               | 6            |
| 25-2012  | Kindergarten Teachers, Except Special Education                             | 2,026                     | 2,343                     | 317        | 15.65%         | 32                     | 57                          | 89                    | 3         | 3               | 1            |
| 25-2021  | Elementary School Teachers, Except Special Education                        | 11,069                    | 12,791                    | 1,722      | 15.56%         | 172                    | 244                         | 416                   | 3         | 3               | 1            |
| 25-2022  | Middle School Teachers, Except Special and Career/Technical Education       | 6,159                     | 7,117                     | 958        | 15.55%         | 96                     | 136                         | 232                   | 3         | 3               | 1            |
| 25-2023  | Career/Technical Education Teachers, Middle School                          | 261                       | 283                       | 22         | 8.43%          | 2                      | 6                           | 8                     | 3         | 2               | 1            |
| 25-2031  | Secondary School Teachers, Except Special and Career/Technical Education    | 8,826                     | 9,583                     | 757        | 8.58%          | 76                     | 240                         | 316                   | 3         | 3               | 1            |
| 25-2032  | Career/Technical Education Teachers, Secondary School                       | 1,190                     | 1,286                     | 96         | 8.07%          | 10                     | 32                          | 42                    | 3         | 2               | 1            |
| 25-2051  | Special Education Teachers, Preschool                                       | 372                       | 473                       | 101        | 27.15%         | 10                     | 6                           | 16                    | 3         | 3               | 1            |
| 25-2052  | Special Education Teachers, Kindergarten and Elementary School              | 1,452                     | 1,579                     | 127        | 8.75%          | 13                     | 25                          | 38                    | 3         | 3               | 1            |
| 25-2053  | Special Education Teachers, Middle School                                   | 781                       | 845                       | 64         | 8.19%          | 6                      | 13                          | 19                    | 3         | 3               | 1            |
| 25-2054  | Special Education Teachers, Secondary School                                | 1,157                     | 1,249                     | 92         | 7.95%          | 9                      | 20                          | 29                    | 3         | 3               | 1            |
| 25-2059  | Special Education Teachers, All Other                                       | 864                       | 1,085                     | 221        | 25.58%         | 22                     | 15                          | 37                    | 3         | 3               | 1            |
| 25-3000  | <i>Other Teachers and Instructors</i>                                       | 7,074                     | 7,850                     | 776        | 10.97%         | 78                     | 121                         | 199                   |           |                 |              |
| 25-3011  | Adult Basic and Secondary Education and Literacy Teachers and Instructors   | 828                       | 928                       | 100        | 12.08%         | 10                     | 14                          | 24                    | 3         | 3               | 1            |
| 25-3021  | Self-Enrichment Education Teachers  | 692                       | 820                       | 128        | 18.50%         | 13                     | 12                          | 25                    | 7         | 2               | 6            |
| 25-3098  | Substitute Teachers   | 4,214                     | 4,545                     | 331        | 7.85%          | 33                     | 72                          | 105                   | 3         | 3               | 1            |
| 25-3099  | Teachers and Instructors, All Other   | 1,340                     | 1,557                     | 217        | 16.19%         | 22                     | 23                          | 45                    | 3         | 3               | 1            |
| 25-4000  | <i>Librarians, Curators, and Archivists</i>                                 | 2,589                     | 2,903                     | 314        | 12.13%         | 31                     | 86                          | 117                   |           |                 |              |
| 25-4011  | Archivists  | 62                        | 75                        | 13         | 20.97%         | 1                      | 1                           | 2                     | 2         | 3               | 6            |
| 25-4012  | Curators  | 66                        | 77                        | 11         | 16.67%         | 1                      | 1                           | 2                     | 2         | 3               | 6            |
| 25-4013  | Museum Technicians and Conservators   | 108                       | 127                       | 19         | 17.59%         | 2                      | 2                           | 4                     | 3         | 3               | 6            |
| 25-4021  | Librarians  | 1,462                     | 1,620                     | 158        | 10.81%         | 16                     | 33                          | 49                    | 2         | 3               | 6            |
| 25-4031  | Library Technicians   | 891                       | 1,004                     | 113        | 12.68%         | 11                     | 48                          | 59                    | 5         | 3               | 6            |
| 25-9000  | <i>Other Education, Training, and Library Occupations</i>                   | 11,952                    | 13,447                    | 1,495      | 12.51%         | 150                    | 236                         | 386                   |           |                 |              |
| 25-9011  | Audio-Visual and Multimedia Collections Specialists                         | 85                        | 88                        | 3          | 3.53%          | 0                      | 1                           | 1                     | 3         | 2               | 6            |
| 25-9021  | Farm and Home Management Advisors   | 295                       | 327                       | 32         | 10.85%         | 3                      | 2                           | 5                     | 2         | 3               | 6            |
| 25-9031  | Instructional Coordinators  | 1,791                     | 2,043                     | 252        | 14.07%         | 25                     | 15                          | 40                    | 2         | 1               | 6            |
| 25-9041  | Teacher Assistants  | 9,473                     | 10,642                    | 1,169      | 12.34%         | 117                    | 215                         | 332                   | 6         | 3               | 6            |
| 25-9099  | Education, Training, and Library Workers, All Other                         | 308                       | 347                       | 39         | 12.66%         | 4                      | 3                           | 7                     | 3         | 3               | 6            |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code       | SOC Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth   | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------------|--|---------------------------|---------------------------|--------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| <b>27-0000</b> | <b>Arts, Design, Entertainment, Sports, and Media Occupations</b>  | <b>13,009</b>             | <b>14,130</b>             | <b>1,121</b> | <b>8.62%</b>   | <b>116</b>             | <b>304</b>                  | <b>420</b>            |           |                 |              |
| 27-1000        | Art and Design Workers   | 3,739                     | 4,026                     | 287          | 7.68%          | 29                     | 98                          | 127                   |           |                 |              |
| 27-1011        | Art Directors  | 338                       | 353                       | 15           | 4.44%          | 2                      | 8                           | 10                    | 3         | 1               | 6            |
| 27-1013        | Fine Artists, Including Painters, Sculptors, and Illustrators      | 104                       | 112                       | 8            | 7.69%          | 1                      | 2                           | 3                     | 7         | 3               | 3            |
| 27-1014        | Multimedia Artists and Animators                                   | 88                        | 93                        | 5            | 5.68%          | 0                      | 2                           | 2                     | 3         | 3               | 4            |
| 27-1021        | Commercial and Industrial Designers                                | 141                       | 143                       | 2            | 1.42%          | 0                      | 4                           | 4                     | 3         | 3               | 6            |
| 27-1023        | Floral Designers   | 624                       | 681                       | 57           | 9.13%          | 6                      | 16                          | 22                    | 7         | 3               | 4            |
| 27-1024        | Graphic Designers  | 1,388                     | 1,499                     | 111          | 8.00%          | 11                     | 37                          | 48                    | 3         | 3               | 6            |
| 27-1025        | Interior Designers   | 212                       | 226                       | 14           | 6.60%          | 1                      | 6                           | 7                     | 3         | 3               | 6            |
| 27-1026        | Merchandise Displayers and Window Trimmers                         | 618                       | 669                       | 51           | 8.25%          | 5                      | 16                          | 21                    | 7         | 3               | 4            |
| 27-1027        | Set and Exhibit Designers  | 98                        | 111                       | 13           | 13.27%         | 1                      | 3                           | 4                     | 3         | 3               | 6            |
| <b>27-2000</b> | <b>Entertainers and Performers, Sports and Related Workers</b>     | <b>3,812</b>              | <b>4,296</b>              | <b>484</b>   | <b>12.70%</b>  | <b>48</b>              | <b>108</b>                  | <b>156</b>            |           |                 |              |
| 27-2012        | Producers and Directors  | 282                       | 298                       | 16           | 5.67%          | 2                      | 10                          | 12                    | 3         | 2               | 6            |
| 27-2021        | Athletes and Sports Competitors                                    | 93                        | 111                       | 18           | 19.35%         | 2                      | 3                           | 5                     | 7         | 3               | 3            |
| 27-2022        | Coaches and Scouts   | 1,445                     | 1,723                     | 278          | 19.24%         | 28                     | 43                          | 71                    | 3         | 3               | 6            |
| 27-2041        | Music Directors and Composers                                      | 378                       | 384                       | 6            | 1.59%          | 1                      | 10                          | 11                    | 3         | 2               | 6            |
| 27-2099        | Entertainers and Performers, Sports and Related Workers, All Other | 131                       | 147                       | 16           | 12.21%         | 2                      | 2                           | 4                     | 7         | 3               | 6            |
| <b>27-3000</b> | <b>Media and Communication Workers</b>                             | <b>3,506</b>              | <b>3,741</b>              | <b>235</b>   | <b>6.70%</b>   | <b>27</b>              | <b>74</b>                   | <b>101</b>            |           |                 |              |
| 27-3011        | Radio and Television Announcers                                    | 507                       | 503                       | -4           | -0.79%         | 0                      | 10                          | 10                    | 3         | 3               | 6            |
| 27-3022        | Reporters and Correspondents                                       | 478                       | 448                       | -30          | -6.28%         | 0                      | 16                          | 16                    | 3         | 3               | 6            |
| 27-3031        | Public Relations Specialists                                       | 1,109                     | 1,266                     | 157          | 14.16%         | 16                     | 15                          | 31                    | 3         | 3               | 6            |
| 27-3041        | Editors  | 518                       | 552                       | 34           | 6.56%          | 3                      | 13                          | 16                    | 3         | 2               | 6            |
| 27-3042        | Technical Writers  | 116                       | 127                       | 11           | 9.48%          | 1                      | 4                           | 5                     | 3         | 2               | 5            |
| 27-3043        | Writers and Authors  | 542                       | 574                       | 32           | 5.90%          | 3                      | 12                          | 15                    | 3         | 3               | 4            |
| 27-3091        | Interpreters and Translators                                       | 103                       | 133                       | 30           | 29.13%         | 3                      | 1                           | 4                     | 3         | 3               | 5            |
| 27-3099        | Media and Communication Workers, All Other                         | 58                        | 62                        | 4            | 6.90%          | 0                      | 1                           | 1                     | 7         | 3               | 5            |
| <b>27-4000</b> | <b>Media and Communication Equipment Workers</b>                   | <b>1,952</b>              | <b>2,067</b>              | <b>115</b>   | <b>5.89%</b>   | <b>12</b>              | <b>25</b>                   | <b>37</b>             |           |                 |              |
| 27-4011        | Audio and Video Equipment Technicians                              | 331                       | 390                       | 59           | 17.82%         | 6                      | 6                           | 12                    | 5         | 3               | 5            |
| 27-4012        | Broadcast Technicians  | 142                       | 152                       | 10           | 7.04%          | 1                      | 3                           | 4                     | 4         | 3               | 5            |
| 27-4014        | Sound Engineering Technicians                                      | 71                        | 70                        | -1           | -1.41%         | 0                      | 1                           | 1                     | 5         | 3               | 5            |
| 27-4021        | Photographers  | 1,143                     | 1,167                     | 24           | 2.10%          | 2                      | 12                          | 14                    | 7         | 3               | 3            |

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|----------------|---|---------------------------|---------------------------|---------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 27-4031        | Camera Operators, Television, Video, and Motion Picture   | 82                        | 90                        | 8             | 9.76%          | 1                      | 1                           | 2                     | 3         | 3               | 6            |
| <b>29-0000</b> | <b>Healthcare Practitioners and Technical Occupations</b> | <b>73,830</b>             | <b>86,195</b>             | <b>12,365</b> | <b>16.75%</b>  | <b>1,236</b>           | <b>1,527</b>                | <b>2,763</b>          |           |                 |              |
| 29-1000        | Health Diagnosing and Treating Practitioners              | 41,964                    | 48,344                    | 6,380         | 15.20%         | 638                    | 862                         | 1,500                 |           |                 |              |
| 29-1011        | Chiropractors   | 368                       | 394                       | 26            | 7.07%          | 3                      | 7                           | 10                    | 1         | 3               | 6            |
| 29-1021        | Dentists, General   | 1,148                     | 1,319                     | 171           | 14.90%         | 17                     | 28                          | 45                    | 1         | 3               | 6            |
| 29-1029        | Dentists, All Other Specialists                           | 39                        | 45                        | 6             | 15.38%         | 1                      | 1                           | 2                     | 1         | 3               | 1            |
| 29-1031        | Dietitians and Nutritionists                              | 526                       | 609                       | 83            | 15.78%         | 8                      | 6                           | 14                    | 3         | 3               | 1            |
| 29-1041        | Optometrists  | 434                       | 487                       | 53            | 12.21%         | 5                      | 13                          | 18                    | 1         | 3               | 6            |
| 29-1051        | Pharmacists   | 2,901                     | 3,105                     | 204           | 7.03%          | 20                     | 69                          | 89                    | 1         | 3               | 6            |
| 29-1061        | Anesthesiologists   | 66                        | 77                        | 11            | 16.67%         | 1                      | 2                           | 3                     | 1         | 3               | 1            |
| 29-1062        | Family and General Practitioners                          | 1,507                     | 1,708                     | 201           | 13.34%         | 20                     | 38                          | 58                    | 1         | 3               | 1            |
| 29-1063        | Internists, General                                       | 282                       | 312                       | 30            | 10.64%         | 3                      | 7                           | 10                    | 1         | 3               | 1            |
| 29-1064        | Obstetricians and Gynecologists                           | 316                       | 357                       | 41            | 12.97%         | 4                      | 8                           | 12                    | 1         | 3               | 1            |
| 29-1065        | Pediatricians, General                                    | 218                       | 244                       | 26            | 11.93%         | 3                      | 6                           | 9                     | 1         | 3               | 1            |
| 29-1066        | Psychiatrists   | 170                       | 210                       | 40            | 23.53%         | 4                      | 4                           | 8                     | 1         | 3               | 1            |
| 29-1067        | Surgeons  | 406                       | 505                       | 99            | 24.38%         | 10                     | 10                          | 20                    | 1         | 3               | 1            |
| 29-1069        | Physicians and Surgeons, All Other                        | 2,505                     | 2,916                     | 411           | 16.41%         | 41                     | 63                          | 104                   | 1         | 3               | 1            |
| 29-1071        | Physician Assistants                                      | 138                       | 191                       | 53            | 38.41%         | 5                      | 2                           | 7                     | 2         | 3               | 6            |
| 29-1081        | Podiatrists   | 51                        | 56                        | 5             | 9.80%          | 0                      | 1                           | 1                     | 1         | 3               | 1            |
| 29-1122        | Occupational Therapists                                   | 1,046                     | 1,244                     | 198           | 18.93%         | 20                     | 14                          | 34                    | 2         | 3               | 6            |
| 29-1123        | Physical Therapists                                       | 1,666                     | 2,069                     | 403           | 24.19%         | 40                     | 41                          | 81                    | 1         | 3               | 6            |
| 29-1124        | Radiation Therapists                                      | 230                       | 303                       | 73            | 31.74%         | 7                      | 5                           | 12                    | 4         | 3               | 6            |
| 29-1125        | Recreational Therapists                                   | 169                       | 195                       | 26            | 15.38%         | 3                      | 4                           | 7                     | 3         | 3               | 6            |
| 29-1126        | Respiratory Therapists                                    | 940                       | 1,046                     | 106           | 11.28%         | 11                     | 14                          | 25                    | 4         | 3               | 6            |
| 29-1127        | Speech-Language Pathologists                              | 1,703                     | 2,001                     | 298           | 17.50%         | 30                     | 26                          | 56                    | 2         | 3               | 6            |
| 29-1128        | Exercise Physiologists                                    | 49                        | 54                        | 5             | 10.20%         | 0                      | 1                           | 1                     | 3         | 3               | 6            |
| 29-1129        | Therapists, All Other                                     | 101                       | 114                       | 13            | 12.87%         | 1                      | 1                           | 2                     | 3         | 3               | 6            |
| 29-1131        | Veterinarians   | 581                       | 603                       | 22            | 3.79%          | 2                      | 19                          | 21                    | 1         | 3               | 6            |
| 29-1141        | Registered Nurses   | 23,086                    | 26,527                    | 3,441         | 14.91%         | 344                    | 448                         | 792                   | 4         | 3               | 6            |
| 29-1151        | Nurse Anesthetists  | 214                       | 261                       | 47            | 21.96%         | 5                      | 4                           | 9                     | 2         | 3               | 6            |
| 29-1171        | Nurse Practitioners                                       | 794                       | 1,039                     | 245           | 30.86%         | 24                     | 15                          | 39                    | 2         | 3               | 6            |
| 29-1181        | Audiologists  | 54                        | 72                        | 18            | 33.33%         | 2                      | 1                           | 3                     | 1         | 3               | 6            |

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|----------------|---|---------------------------|---------------------------|--------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 29-1199        | Health Diagnosing and Treating Practitioners, All Other         | 193                       | 209                       | 16           | 8.29%          | 2                      | 4                           | 6                     | 2         | 3               | 6            |
| <i>29-2000</i> | <i>Health Technologists and Technicians</i>                     | <i>30,523</i>             | <i>36,343</i>             | <i>5,820</i> | <i>19.07%</i>  | <i>582</i>             | <i>629</i>                  | <i>1,211</i>          |           |                 |              |
| 29-2011        | Medical and Clinical Laboratory Technologists                   | 1,303                     | 1,403                     | 100          | 7.67%          | 10                     | 34                          | 44                    | 3         | 3               | 6            |
| 29-2012        | Medical and Clinical Laboratory Technicians                     | 1,403                     | 1,729                     | 326          | 23.24%         | 33                     | 37                          | 70                    | 4         | 3               | 6            |
| 29-2021        | Dental Hygienists   | 1,305                     | 1,659                     | 354          | 27.13%         | 35                     | 33                          | 68                    | 4         | 3               | 6            |
| 29-2031        | Cardiovascular Technologists and Technicians                    | 313                       | 394                       | 81           | 25.88%         | 8                      | 4                           | 12                    | 4         | 3               | 6            |
| 29-2032        | Diagnostic Medical Sonographers                                 | 382                       | 539                       | 157          | 41.10%         | 16                     | 5                           | 21                    | 4         | 3               | 6            |
| 29-2033        | Nuclear Medicine Technologists                                  | 164                       | 187                       | 23           | 14.02%         | 2                      | 2                           | 4                     | 4         | 3               | 6            |
| 29-2034        | Radiologic Technologists  | 2,026                     | 2,386                     | 360          | 17.77%         | 36                     | 28                          | 64                    | 4         | 3               | 6            |
| 29-2035        | Magnetic Resonance Imaging Technologists                        | 269                       | 326                       | 57           | 21.19%         | 6                      | 4                           | 10                    | 4         | 2               | 6            |
| 29-2041        | Emergency Medical Technicians and Paramedics                    | 2,164                     | 2,572                     | 408          | 18.85%         | 41                     | 59                          | 100                   | 5         | 3               | 6            |
| 29-2051        | Dietetic Technicians  | 211                       | 247                       | 36           | 17.06%         | 4                      | 2                           | 6                     | 4         | 3               | 6            |
| 29-2052        | Pharmacy Technicians  | 3,588                     | 4,008                     | 420          | 11.71%         | 42                     | 36                          | 78                    | 7         | 3               | 4            |
| 29-2053        | Psychiatric Technicians   | 585                       | 762                       | 177          | 30.26%         | 18                     | 6                           | 24                    | 5         | 3               | 5            |
| 29-2054        | Respiratory Therapy Technicians                                 | 309                       | 341                       | 32           | 10.36%         | 3                      | 3                           | 6                     | 4         | 3               | 4            |
| 29-2055        | Surgical Technologists  | 954                       | 1,171                     | 217          | 22.75%         | 22                     | 9                           | 31                    | 5         | 3               | 6            |
| 29-2056        | Veterinary Technologists and Technicians                        | 277                       | 314                       | 37           | 13.36%         | 4                      | 3                           | 7                     | 4         | 3               | 6            |
| 29-2057        | Ophthalmic Medical Technicians                                  | 216                       | 259                       | 43           | 19.91%         | 4                      | 2                           | 6                     | 5         | 3               | 6            |
| 29-2061        | Licensed Practical and Licensed Vocational Nurses               | 12,282                    | 14,795                    | 2,513        | 20.46%         | 251                    | 300                         | 551                   | 5         | 3               | 6            |
| 29-2071        | Medical Records and Health Information Technicians              | 1,343                     | 1,594                     | 251          | 18.69%         | 25                     | 36                          | 61                    | 5         | 3               | 6            |
| 29-2081        | Opticians, Dispensing   | 575                       | 652                       | 77           | 13.39%         | 8                      | 16                          | 24                    | 7         | 3               | 3            |
| 29-2099        | Health Technologists and Technicians, All Other                 | 734                       | 858                       | 124          | 16.89%         | 12                     | 7                           | 19                    | 7         | 3               | 6            |
| <i>29-9000</i> | <i>Other Healthcare Practitioners and Technical Occupations</i> | <i>1,343</i>              | <i>1,508</i>              | <i>165</i>   | <i>12.29%</i>  | <i>16</i>              | <i>36</i>                   | <i>52</i>             |           |                 |              |
| 29-9011        | Occupational Health and Safety Specialists                      | 733                       | 816                       | 83           | 11.32%         | 8                      | 20                          | 28                    | 3         | 3               | 5            |
| 29-9012        | Occupational Health and Safety Technicians                      | 87                        | 96                        | 9            | 10.34%         | 1                      | 2                           | 3                     | 7         | 3               | 4            |
| 29-9091        | Athletic Trainers   | 275                       | 318                       | 43           | 15.64%         | 4                      | 8                           | 12                    | 3         | 3               | 6            |
| 29-9099        | Healthcare Practitioners and Technical Workers, All Other       | 248                       | 278                       | 30           | 12.10%         | 3                      | 7                           | 10                    | 3         | 3               | 6            |
| <b>31-0000</b> | <b>Healthcare Support Occupations</b>                           | <b>39,511</b>             | <b>47,398</b>             | <b>7,887</b> | <b>19.96%</b>  | <b>791</b>             | <b>755</b>                  | <b>1,546</b>          |           |                 |              |
| <i>31-1000</i> | <i>Nursing, Psychiatric, and Home Health Aides</i>              | <i>28,741</i>             | <i>34,723</i>             | <i>5,982</i> | <i>20.81%</i>  | <i>598</i>             | <i>547</i>                  | <i>1,145</i>          |           |                 |              |
| 31-1011        | Home Health Aides   | 8,505                     | 11,390                    | 2,885        | 33.92%         | 288                    | 162                         | 450                   | 8         | 3               | 5            |
| 31-1013        | Psychiatric Aides   | 679                       | 842                       | 163          | 24.01%         | 16                     | 13                          | 29                    | 7         | 3               | 5            |
| 31-1014        | Nursing Assistants  | 19,379                    | 22,293                    | 2,914        | 15.04%         | 291                    | 369                         | 660                   | 5         | 3               | 6            |

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|----------------|---|---------------------------|---------------------------|--------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 31-1015        | Orderlies   | 178                       | 198                       | 20           | 11.24%         | 2                      | 3                           | 5                     | 7         | 3               | 5            |
| <b>31-2000</b> | <b>Occupational Therapy and Physical Therapist Assistants and Aides</b> | <b>1,375</b>              | <b>1,750</b>              | <b>375</b>   | <b>27.27%</b>  | <b>38</b>              | <b>31</b>                   | <b>69</b>             |           |                 |              |
| 31-2011        | Occupational Therapy Assistants   | 172                       | 228                       | 56           | 32.56%         | 6                      | 4                           | 10                    | 4         | 3               | 6            |
| 31-2012        | Occupational Therapy Aides  | 31                        | 35                        | 4            | 12.90%         | 0                      | 1                           | 1                     | 7         | 3               | 5            |
| 31-2021        | Physical Therapist Assistants   | 857                       | 1,084                     | 227          | 26.49%         | 23                     | 19                          | 42                    | 4         | 3               | 6            |
| 31-2022        | Physical Therapist Aides  | 315                       | 403                       | 88           | 27.94%         | 9                      | 7                           | 16                    | 7         | 3               | 5            |
| <b>31-9000</b> | <b>Other Healthcare Support Occupations</b>                             | <b>9,395</b>              | <b>10,925</b>             | <b>1,530</b> | <b>16.29%</b>  | <b>156</b>             | <b>177</b>                  | <b>333</b>            |           |                 |              |
| 31-9011        | Massage Therapists  | 728                       | 879                       | 151          | 20.74%         | 15                     | 8                           | 23                    | 5         | 3               | 6            |
| 31-9091        | Dental Assistants   | 2,480                     | 2,944                     | 464          | 18.71%         | 46                     | 51                          | 97                    | 5         | 3               | 6            |
| 31-9092        | Medical Assistants  | 2,012                     | 2,482                     | 470          | 23.36%         | 47                     | 38                          | 85                    | 5         | 3               | 6            |
| 31-9093        | Medical Equipment Preparers   | 220                       | 258                       | 38           | 17.27%         | 4                      | 4                           | 8                     | 7         | 3               | 4            |
| 31-9094        | Medical Transcriptionists   | 714                       | 736                       | 22           | 3.08%          | 2                      | 14                          | 16                    | 5         | 3               | 6            |
| 31-9095        | Pharmacy Aides  | 696                       | 710                       | 14           | 2.01%          | 1                      | 13                          | 14                    | 7         | 3               | 5            |
| 31-9096        | Veterinary Assistants and Laboratory Animal Caretakers                  | 582                       | 555                       | -27          | -4.64%         | 0                      | 11                          | 11                    | 7         | 3               | 5            |
| 31-9097        | Phlebotomists   | 1,449                     | 1,773                     | 324          | 22.36%         | 32                     | 28                          | 60                    | 5         | 3               | 6            |
| 31-9099        | Healthcare Support Workers, All Other                                   | 514                       | 588                       | 74           | 14.40%         | 7                      | 10                          | 17                    | 7         | 3               | 6            |
| <b>33-0000</b> | <b>Protective Service Occupations</b>                                   | <b>24,930</b>             | <b>27,545</b>             | <b>2,615</b> | <b>10.49%</b>  | <b>262</b>             | <b>676</b>                  | <b>938</b>            |           |                 |              |
| <b>33-1000</b> | <b>Supervisors of Protective Service Workers</b>                        | <b>1,982</b>              | <b>2,179</b>              | <b>197</b>   | <b>9.94%</b>   | <b>20</b>              | <b>64</b>                   | <b>84</b>             |           |                 |              |
| 33-1011        | First-Line Supervisors of Correctional Officers                         | 279                       | 305                       | 26           | 9.32%          | 3                      | 10                          | 13                    | 7         | 2               | 4            |
| 33-1012        | First-Line Supervisors of Police and Detectives                         | 934                       | 1,027                     | 93           | 9.96%          | 9                      | 28                          | 37                    | 7         | 2               | 4            |
| 33-1021        | First-Line Supervisors of Fire Fighting and Prevention Workers          | 498                       | 547                       | 49           | 9.84%          | 5                      | 21                          | 26                    | 5         | 2               | 4            |
| 33-1099        | First-Line Supervisors of Protective Service Workers, All Other         | 271                       | 300                       | 29           | 10.70%         | 3                      | 6                           | 9                     | 7         | 2               | 6            |
| <b>33-2000</b> | <b>Fire Fighting and Prevention Workers</b>                             | <b>2,871</b>              | <b>3,158</b>              | <b>287</b>   | <b>10.00%</b>  | <b>29</b>              | <b>79</b>                   | <b>108</b>            |           |                 |              |
| 33-2011        | Firefighters  | 2,669                     | 2,937                     | 268          | 10.04%         | 27                     | 73                          | 100                   | 5         | 3               | 3            |
| 33-2021        | Fire Inspectors and Investigators                                       | 24                        | 26                        | 2            | 8.33%          | 0                      | 1                           | 1                     | 7         | 1               | 4            |
| 33-2022        | Forest Fire Inspectors and Prevention Specialists                       | 178                       | 195                       | 17           | 9.55%          | 2                      | 5                           | 7                     | 7         | 2               | 4            |
| <b>33-3000</b> | <b>Law Enforcement Workers</b>  | <b>12,711</b>             | <b>13,990</b>             | <b>1,279</b> | <b>10.06%</b>  | <b>128</b>             | <b>364</b>                  | <b>492</b>            |           |                 |              |
| 33-3012        | Correctional Officers and Jailers                                       | 5,655                     | 6,184                     | 529          | 9.35%          | 53                     | 150                         | 203                   | 7         | 3               | 4            |
| 33-3021        | Detectives and Criminal Investigators                                   | 608                       | 679                       | 71           | 11.68%         | 7                      | 13                          | 20                    | 7         | 2               | 4            |
| 33-3031        | Fish and Game Wardens   | 189                       | 207                       | 18           | 9.52%          | 2                      | 5                           | 7                     | 7         | 3               | 5            |
| 33-3041        | Parking Enforcement Workers   | 375                       | 461                       | 86           | 22.93%         | 9                      | 11                          | 20                    | 7         | 3               | 5            |
| 33-3051        | Police and Sheriff's Patrol Officers                                    | 5,753                     | 6,318                     | 565          | 9.82%          | 56                     | 180                         | 236                   | 7         | 3               | 4            |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code       | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth    | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------------|---|---------------------------|---------------------------|---------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 33-9000        | <i>Other Protective Service Workers</i>                                     | 7,366                     | 8,218                     | 852           | 11.57%         | 85                     | 169                         | 254                   |           |                 |              |
| 33-9011        | Animal Control Workers  | 167                       | 184                       | 17            | 10.18%         | 2                      | 4                           | 6                     | 7         | 3               | 4            |
| 33-9032        | Security Guards   | 5,742                     | 6,378                     | 636           | 11.08%         | 64                     | 88                          | 152                   | 7         | 3               | 5            |
| 33-9092        | Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers   | 404                       | 455                       | 51            | 12.62%         | 5                      | 28                          | 33                    | 7         | 3               | 5            |
| 33-9093        | Transportation Security Screeners   | 227                       | 294                       | 67            | 29.52%         | 7                      | 5                           | 12                    | 7         | 3               | 5            |
| 33-9099        | Protective Service Workers, All Other                                       | 565                       | 626                       | 61            | 10.80%         | 6                      | 39                          | 45                    | 7         | 3               | 5            |
| <b>35-0000</b> | <b><i>Food Preparation and Serving Related Occupations</i></b>              | <b>98,381</b>             | <b>119,022</b>            | <b>20,641</b> | <b>20.98%</b>  | <b>2,064</b>           | <b>3,424</b>                | <b>5,488</b>          |           |                 |              |
| 35-1000        | <i>Supervisors of Food Preparation and Serving Workers</i>                  | 9,031                     | 11,288                    | 2,257         | 24.99%         | 226                    | 249                         | 475                   |           |                 |              |
| 35-1011        | Chefs and Head Cooks  | 503                       | 570                       | 67            | 13.32%         | 7                      | 8                           | 15                    | 7         | 1               | 6            |
| 35-1012        | First-Line Supervisors of Food Preparation and Serving Workers              | 8,528                     | 10,718                    | 2,190         | 25.68%         | 219                    | 241                         | 460                   | 7         | 2               | 6            |
| 35-2000        | <i>Cooks and Food Preparation Workers</i>                                   | 33,544                    | 39,243                    | 5,699         | 16.99%         | 570                    | 716                         | 1,286                 |           |                 |              |
| 35-2011        | Cooks, Fast Food  | 10,938                    | 12,376                    | 1,438         | 13.15%         | 144                    | 216                         | 360                   | 8         | 3               | 5            |
| 35-2012        | Cooks, Institution and Cafeteria  | 7,032                     | 8,038                     | 1,006         | 14.31%         | 101                    | 139                         | 240                   | 8         | 3               | 5            |
| 35-2014        | Cooks, Restaurant   | 8,232                     | 10,697                    | 2,465         | 29.94%         | 246                    | 162                         | 408                   | 8         | 2               | 4            |
| 35-2015        | Cooks, Short Order  | 959                       | 1,001                     | 42            | 4.38%          | 4                      | 19                          | 23                    | 8         | 3               | 5            |
| 35-2021        | Food Preparation Workers  | 6,093                     | 6,785                     | 692           | 11.36%         | 69                     | 175                         | 244                   | 8         | 3               | 5            |
| 35-3000        | <i>Food and Beverage Serving Workers</i>                                    | 48,217                    | 59,450                    | 11,233        | 23.30%         | 1,123                  | 2,055                       | 3,178                 |           |                 |              |
| 35-3011        | Bartenders  | 1,936                     | 2,296                     | 360           | 18.60%         | 36                     | 72                          | 108                   | 8         | 3               | 5            |
| 35-3021        | Combined Food Preparation and Serving Workers, Including Fast Food          | 22,611                    | 29,317                    | 6,706         | 29.66%         | 671                    | 863                         | 1,534                 | 8         | 3               | 5            |
| 35-3022        | Counter Attendants, Cafeteria, Food Concession, and Coffee Shop             | 2,393                     | 2,573                     | 180           | 7.52%          | 18                     | 146                         | 164                   | 8         | 3               | 5            |
| 35-3031        | Waiters and Waitresses  | 18,660                    | 22,124                    | 3,464         | 18.56%         | 346                    | 898                         | 1,244                 | 8         | 3               | 5            |
| 35-3041        | Food Servers, Nonrestaurant   | 2,617                     | 3,140                     | 523           | 19.98%         | 52                     | 76                          | 128                   | 8         | 3               | 5            |
| 35-9000        | <i>Other Food Preparation and Serving Related Workers</i>                   | 7,589                     | 9,041                     | 1,452         | 19.13%         | 145                    | 404                         | 549                   |           |                 |              |
| 35-9011        | Dining Room and Cafeteria Attendants and Bartender Helpers                  | 1,565                     | 1,869                     | 304           | 19.42%         | 30                     | 69                          | 99                    | 8         | 3               | 5            |
| 35-9021        | Dishwashers   | 3,760                     | 4,466                     | 706           | 18.78%         | 71                     | 166                         | 237                   | 8         | 3               | 5            |
| 35-9031        | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop                    | 2,218                     | 2,654                     | 436           | 19.66%         | 44                     | 167                         | 211                   | 8         | 3               | 6            |
| 35-9099        | Food Preparation and Serving Related Workers, All Other                     | 46                        | 52                        | 6             | 13.04%         | 1                      | 2                           | 3                     | 8         | 3               | 5            |
| <b>37-0000</b> | <b><i>Building and Grounds Cleaning and Maintenance Occupations</i></b>     | <b>43,678</b>             | <b>48,115</b>             | <b>4,437</b>  | <b>10.16%</b>  | <b>444</b>             | <b>891</b>                  | <b>1,335</b>          |           |                 |              |
| 37-1000        | <i>Supervisors of Building and Grounds Cleaning and Maintenance Workers</i> | 3,766                     | 4,074                     | 308           | 8.18%          | 31                     | 69                          | 100                   |           |                 |              |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code       | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth    | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------------|---|---------------------------|---------------------------|---------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 37-1011        | First-Line Supervisors of Housekeeping and Janitorial Workers                   | 2,068                     | 2,271                     | 203           | 9.82%          | 20                     | 49                          | 69                    | 7         | 2               | 6            |
| 37-1012        | First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers | 1,698                     | 1,803                     | 105           | 6.18%          | 10                     | 19                          | 29                    | 7         | 2               | 6            |
| <b>37-2000</b> | <b>Building Cleaning and Pest Control Workers</b>                               | <b>31,571</b>             | <b>35,056</b>             | <b>3,485</b>  | <b>11.04%</b>  | <b>348</b>             | <b>612</b>                  | <b>960</b>            |           |                 |              |
| 37-2011        | Janitors and Cleaners, Except Maids and Housekeeping Cleaners                   | 21,005                    | 23,225                    | 2,220         | 10.57%         | 222                    | 395                         | 617                   | 8         | 3               | 5            |
| 37-2012        | Maids and Housekeeping Cleaners   | 9,445                     | 10,562                    | 1,117         | 11.83%         | 112                    | 187                         | 299                   | 8         | 3               | 5            |
| <b>37-3000</b> | <b>Grounds Maintenance Workers</b>  | <b>8,341</b>              | <b>8,985</b>              | <b>644</b>    | <b>7.72%</b>   | <b>64</b>              | <b>210</b>                  | <b>274</b>            |           |                 |              |
| 37-3011        | Landscaping and Groundskeeping Workers  | 6,745                     | 7,251                     | 506           | 7.50%          | 51                     | 170                         | 221                   | 8         | 3               | 5            |
| 37-3012        | Pesticide Handlers, Sprayers, and Applicators, Vegetation                       | 450                       | 481                       | 31            | 6.89%          | 3                      | 11                          | 14                    | 7         | 3               | 4            |
| 37-3013        | Tree Trimmers and Pruners   | 1,018                     | 1,110                     | 92            | 9.04%          | 9                      | 26                          | 35                    | 7         | 3               | 5            |
| 37-3019        | Grounds Maintenance Workers, All Other  | 128                       | 143                       | 15            | 11.72%         | 2                      | 3                           | 5                     | 8         | 3               | 5            |
| <b>39-0000</b> | <b>Personal Care and Service Occupations</b>                                    | <b>39,873</b>             | <b>50,178</b>             | <b>10,305</b> | <b>25.84%</b>  | <b>1,040</b>           | <b>772</b>                  | <b>1,812</b>          |           |                 |              |
| <b>39-1000</b> | <b>Supervisors of Personal Care and Service Workers</b>                         | <b>1,621</b>              | <b>1,844</b>              | <b>223</b>    | <b>13.76%</b>  | <b>22</b>              | <b>30</b>                   | <b>52</b>             |           |                 |              |
| 39-1011        | Gaming Supervisors  | 47                        | 55                        | 8             | 17.02%         | 1                      | 1                           | 2                     | 7         | 2               | 6            |
| 39-1021        | First-Line Supervisors of Personal Service Workers                              | 1,574                     | 1,789                     | 215           | 13.66%         | 22                     | 29                          | 51                    | 7         | 2               | 6            |
| <b>39-2000</b> | <b>Animal Care and Service Workers</b>  | <b>1,948</b>              | <b>2,142</b>              | <b>194</b>    | <b>9.96%</b>   | <b>19</b>              | <b>37</b>                   | <b>56</b>             |           |                 |              |
| 39-2011        | Animal Trainers   | 414                       | 450                       | 36            | 8.70%          | 4                      | 18                          | 22                    | 7         | 3               | 4            |
| 39-2021        | Nonfarm Animal Caretakers   | 1,534                     | 1,692                     | 158           | 10.30%         | 16                     | 18                          | 34                    | 8         | 3               | 5            |
| <b>39-3000</b> | <b>Entertainment Attendants and Related Workers</b>                             | <b>1,782</b>              | <b>1,868</b>              | <b>86</b>     | <b>4.83%</b>   | <b>12</b>              | <b>85</b>                   | <b>97</b>             |           |                 |              |
| 39-3021        | Motion Picture Projectionists   | 125                       | 96                        | -29           | -23.20%        | 0                      | 5                           | 5                     | 8         | 3               | 5            |
| 39-3031        | Ushers, Lobby Attendants, and Ticket Takers                                     | 439                       | 432                       | -7            | -1.59%         | 0                      | 23                          | 23                    | 8         | 3               | 5            |
| 39-3091        | Amusement and Recreation Attendants   | 1,012                     | 1,103                     | 91            | 8.99%          | 9                      | 51                          | 60                    | 8         | 3               | 5            |
| 39-3093        | Locker Room, Coatroom, and Dressing Room Attendants                             | 82                        | 88                        | 6             | 7.32%          | 1                      | 4                           | 5                     | 7         | 3               | 5            |
| <b>39-4000</b> | <b>Funeral Service Workers</b>  | <b>852</b>                | <b>815</b>                | <b>-37</b>    | <b>-4.34%</b>  | <b>2</b>               | <b>18</b>                   | <b>20</b>             |           |                 |              |
| 39-4011        | Embalmers   | 191                       | 153                       | -38           | -19.90%        | 0                      | 4                           | 4                     | 5         | 3               | 5            |
| 39-4021        | Funeral Attendants  | 352                       | 335                       | -17           | -4.83%         | 0                      | 8                           | 8                     | 7         | 3               | 5            |
| 39-4031        | Morticians, Undertakers, and Funeral Directors                                  | 309                       | 327                       | 18            | 5.83%          | 2                      | 7                           | 9                     | 4         | 3               | 3            |
| <b>39-5000</b> | <b>Personal Appearance Workers</b>  | <b>3,010</b>              | <b>3,480</b>              | <b>470</b>    | <b>15.61%</b>  | <b>47</b>              | <b>66</b>                   | <b>113</b>            |           |                 |              |
| 39-5011        | Barbers   | 143                       | 157                       | 14            | 9.79%          | 1                      | 4                           | 5                     | 5         | 3               | 6            |
| 39-5012        | Hairdressers, Hairstylists, and Cosmetologists                                  | 2,549                     | 2,907                     | 358           | 14.04%         | 36                     | 60                          | 96                    | 5         | 3               | 6            |
| 39-5094        | Skincare Specialists  | 170                       | 238                       | 68            | 40.00%         | 7                      | 1                           | 8                     | 5         | 3               | 6            |
| <b>39-6000</b> | <b>Baggage Porters, Bellhops, and Concierges</b>                                | <b>193</b>                | <b>218</b>                | <b>25</b>     | <b>12.95%</b>  | <b>2</b>               | <b>5</b>                    | <b>7</b>              |           |                 |              |



# 2012-2022 State of Arkansas Occupational Projections

| SOC Code       | SOC Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth    | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------------|--|---------------------------|---------------------------|---------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 39-6011        | Baggage Porters and Bellhops   | 152                       | 167                       | 15            | 9.87%          | 2                      | 4                           | 6                     | 7         | 3               | 5            |
| 39-6012        | Concierges   | 41                        | 51                        | 10            | 24.39%         | 1                      | 1                           | 2                     | 7         | 3               | 4            |
| 39-7000        | <i>Tour and Travel Guides</i>  | 249                       | 279                       | 30            | 12.05%         | 3                      | 12                          | 15                    |           |                 |              |
| 39-9000        | <i>Other Personal Care and Service Workers</i>   | 30,218                    | 39,532                    | 9,314         | 30.82%         | 931                    | 519                         | 1,450                 |           |                 |              |
| 39-9011        | Childcare Workers  | 11,282                    | 12,839                    | 1,557         | 13.80%         | 156                    | 332                         | 488                   | 7         | 3               | 5            |
| 39-9021        | Personal Care Aides  | 14,436                    | 21,489                    | 7,053         | 48.86%         | 705                    | 103                         | 808                   | 8         | 3               | 5            |
| 39-9031        | Fitness Trainers and Aerobics Instructors  | 1,187                     | 1,280                     | 93            | 7.83%          | 9                      | 14                          | 23                    | 7         | 3               | 5            |
| 39-9032        | Recreation Workers   | 2,031                     | 2,407                     | 376           | 18.51%         | 38                     | 24                          | 62                    | 3         | 3               | 6            |
| 39-9041        | Residential Advisors   | 649                       | 778                       | 129           | 19.88%         | 13                     | 28                          | 41                    | 7         | 3               | 5            |
| 39-9099        | Personal Care and Service Workers, All Other   | 633                       | 739                       | 106           | 16.75%         | 11                     | 18                          | 29                    | 7         | 3               | 5            |
| <b>41-0000</b> | <b><i>Sales and Related Occupations</i></b>  | <b>129,224</b>            | <b>139,301</b>            | <b>10,077</b> | <b>7.80%</b>   | <b>1,008</b>           | <b>3,879</b>                | <b>4,887</b>          |           |                 |              |
| 41-1000        | <i>Supervisors of Sales Workers</i>  | 20,423                    | 21,981                    | 1,558         | 7.63%          | 156                    | 416                         | 572                   |           |                 |              |
| 41-1011        | First-Line Supervisors of Retail Sales Workers   | 17,294                    | 18,654                    | 1,360         | 7.86%          | 136                    | 376                         | 512                   | 7         | 2               | 6            |
| 41-1012        | First-Line Supervisors of Non-Retail Sales Workers   | 3,129                     | 3,327                     | 198           | 6.33%          | 20                     | 40                          | 60                    | 7         | 2               | 6            |
| 41-2000        | <i>Retail Sales Workers</i>  | 73,644                    | 79,035                    | 5,391         | 7.32%          | 539                    | 2,727                       | 3,266                 |           |                 |              |
| 41-2011        | Cashiers   | 29,203                    | 30,597                    | 1,394         | 4.77%          | 139                    | 1,262                       | 1,401                 | 8         | 3               | 5            |
| 41-2022        | Parts Salespersons   | 3,301                     | 3,561                     | 260           | 7.88%          | 26                     | 84                          | 110                   | 8         | 3               | 4            |
| 41-2031        | Retail Salespersons  | 38,063                    | 41,568                    | 3,505         | 9.21%          | 350                    | 1,302                       | 1,652                 | 8         | 3               | 5            |
| 41-3000        | <i>Sales Representatives, Services</i>   | 11,243                    | 12,382                    | 1,139         | 10.13%         | 114                    | 288                         | 402                   |           |                 |              |
| 41-3011        | Advertising Sales Agents   | 1,520                     | 1,607                     | 87            | 5.72%          | 9                      | 47                          | 56                    | 7         | 3               | 4            |
| 41-3021        | Insurance Sales Agents   | 4,833                     | 5,487                     | 654           | 13.53%         | 65                     | 114                         | 179                   | 7         | 3               | 4            |
| 41-3031        | Securities, Commodities, and Financial Services Sales Agents                                 | 1,104                     | 1,205                     | 101           | 9.15%          | 10                     | 26                          | 36                    | 3         | 3               | 4            |
| 41-3041        | Travel Agents  | 149                       | 150                       | 1             | 0.67%          | 0                      | 2                           | 2                     | 7         | 3               | 4            |
| 41-3099        | Sales Representatives, Services, All Other   | 3,637                     | 3,933                     | 296           | 8.14%          | 30                     | 99                          | 129                   | 7         | 3               | 5            |
| 41-4000        | <i>Sales Representatives, Wholesale and Manufacturing</i>                                    | 16,807                    | 18,285                    | 1,478         | 8.79%          | 148                    | 328                         | 476                   |           |                 |              |
| 41-4011        | Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products        | 2,453                     | 2,722                     | 269           | 10.97%         | 27                     | 48                          | 75                    | 3         | 3               | 4            |
| 41-4012        | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 14,354                    | 15,563                    | 1,209         | 8.42%          | 121                    | 280                         | 401                   | 7         | 3               | 4            |
| 41-9000        | <i>Other Sales and Related Workers</i>   | 7,107                     | 7,618                     | 511           | 7.19%          | 51                     | 120                         | 171                   |           |                 |              |
| 41-9022        | Real Estate Sales Agents   | 1,336                     | 1,462                     | 126           | 9.43%          | 13                     | 13                          | 26                    | 7         | 3               | 3            |
| 41-9031        | Sales Engineers  | 217                       | 234                       | 17            | 7.83%          | 2                      | 4                           | 6                     | 3         | 3               | 4            |
| 41-9041        | Telemarketers  | 3,301                     | 3,489                     | 188           | 5.70%          | 19                     | 68                          | 87                    | 8         | 3               | 5            |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code       | SOC Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth    | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------------|--|---------------------------|---------------------------|---------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 41-9091        | Door-to-Door Sales Workers, News and Street Vendors, and Related Workers | 790                       | 808                       | 18            | 2.28%          | 2                      | 8                           | 10                    | 7         | 3               | 5            |
| 41-9099        | Sales and Related Workers, All Other                                     | 1,176                     | 1,302                     | 126           | 10.71%         | 13                     | 23                          | 36                    | 7         | 3               | 6            |
| <b>43-0000</b> | <b>Office and Administrative Support Occupations</b>                     | <b>190,208</b>            | <b>202,043</b>            | <b>11,835</b> | <b>6.22%</b>   | <b>1,429</b>           | <b>4,240</b>                | <b>5,669</b>          |           |                 |              |
| 43-1000        | Supervisors of Office and Administrative Support Workers                 | 13,921                    | 15,498                    | 1,577         | 11.33%         | 158                    | 330                         | 488                   |           |                 |              |
| 43-1011        | First-Line Supervisors of Office and Administrative Support Workers      | 13,921                    | 15,498                    | 1,577         | 11.33%         | 158                    | 330                         | 488                   | 7         | 2               | 6            |
| 43-2000        | Communications Equipment Operators                                       | 1,021                     | 870                       | -151          | -14.79%        | 0                      | 19                          | 19                    |           |                 |              |
| 43-2011        | Switchboard Operators, Including Answering Service                       | 1,021                     | 870                       | -151          | -14.79%        | 0                      | 19                          | 19                    | 7         | 3               | 5            |
| 43-3000        | Financial Clerks   | 27,916                    | 30,414                    | 2,498         | 8.95%          | 250                    | 629                         | 879                   |           |                 |              |
| 43-3011        | Bill and Account Collectors  | 2,325                     | 2,684                     | 359           | 15.44%         | 36                     | 65                          | 101                   | 7         | 3               | 4            |
| 43-3021        | Billing and Posting Clerks   | 3,848                     | 4,430                     | 582           | 15.12%         | 58                     | 71                          | 129                   | 7         | 3               | 5            |
| 43-3031        | Bookkeeping, Accounting, and Auditing Clerks                             | 12,566                    | 13,798                    | 1,232         | 9.80%          | 123                    | 115                         | 238                   | 7         | 3               | 4            |
| 43-3051        | Payroll and Timekeeping Clerks   | 1,548                     | 1,705                     | 157           | 10.14%         | 16                     | 34                          | 50                    | 7         | 3               | 4            |
| 43-3061        | Procurement Clerks   | 922                       | 1,033                     | 111           | 12.04%         | 11                     | 34                          | 45                    | 7         | 3               | 4            |
| 43-3071        | Tellers  | 6,579                     | 6,622                     | 43            | 0.65%          | 4                      | 307                         | 311                   | 7         | 3               | 5            |
| 43-4000        | Information and Record Clerks  | 43,563                    | 48,262                    | 4,699         | 10.79%         | 487                    | 1,146                       | 1,633                 |           |                 |              |
| 43-4011        | Brokerage Clerks   | 156                       | 154                       | -2            | -1.28%         | 0                      | 4                           | 4                     | 7         | 3               | 4            |
| 43-4021        | Correspondence Clerks  | 26                        | 27                        | 1             | 3.85%          | 0                      | 1                           | 1                     | 7         | 3               | 5            |
| 43-4031        | Court, Municipal, and License Clerks                                     | 1,236                     | 1,421                     | 185           | 14.97%         | 18                     | 19                          | 37                    | 7         | 3               | 4            |
| 43-4041        | Credit Authorizers, Checkers, and Clerks                                 | 215                       | 210                       | -5            | -2.33%         | 0                      | 2                           | 2                     | 7         | 3               | 5            |
| 43-4051        | Customer Service Representatives   | 18,191                    | 20,744                    | 2,553         | 14.03%         | 255                    | 495                         | 750                   | 7         | 3               | 5            |
| 43-4061        | Eligibility Interviewers, Government Programs                            | 1,880                     | 2,353                     | 473           | 25.16%         | 47                     | 38                          | 85                    | 7         | 3               | 4            |
| 43-4071        | File Clerks  | 1,009                     | 967                       | -42           | -4.16%         | 0                      | 23                          | 23                    | 7         | 3               | 5            |
| 43-4081        | Hotel, Motel, and Resort Desk Clerks                                     | 2,514                     | 2,794                     | 280           | 11.14%         | 28                     | 119                         | 147                   | 7         | 3               | 5            |
| 43-4111        | Interviewers, Except Eligibility and Loan                                | 1,790                     | 1,847                     | 57            | 3.18%          | 6                      | 34                          | 40                    | 7         | 3               | 5            |
| 43-4121        | Library Assistants, Clerical   | 890                       | 1,051                     | 161           | 18.09%         | 16                     | 39                          | 55                    | 7         | 3               | 5            |
| 43-4131        | Loan Interviewers and Clerks   | 1,617                     | 1,727                     | 110           | 6.80%          | 11                     | 11                          | 22                    | 7         | 3               | 5            |
| 43-4141        | New Accounts Clerks  | 1,580                     | 1,701                     | 121           | 7.66%          | 12                     | 41                          | 53                    | 7         | 3               | 4            |
| 43-4151        | Order Clerks   | 1,429                     | 1,372                     | -57           | -3.99%         | 0                      | 38                          | 38                    | 7         | 3               | 5            |
| 43-4161        | Human Resources Assistants, Except Payroll and Timekeeping               | 1,527                     | 1,526                     | -1            | -0.07%         | 0                      | 39                          | 39                    | 7         | 3               | 5            |
| 43-4171        | Receptionists and Information Clerks                                     | 8,124                     | 9,052                     | 928           | 11.42%         | 93                     | 219                         | 312                   | 7         | 3               | 5            |
| 43-4181        | Reservation and Transportation Ticket Agents and Travel Clerks           | 458                       | 408                       | -50           | -10.92%        | 0                      | 6                           | 6                     | 7         | 3               | 5            |

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| SOC Code       | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth   | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------------|---|---------------------------|---------------------------|--------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 43-4199        | Information and Record Clerks, All Other  | 921                       | 908                       | -13          | -1.41%         | 0                      | 20                          | 20                    | 7         | 3               | 5            |
| <b>43-5000</b> | <b>Material Recording, Scheduling, Dispatching, and Distributing Workers</b>    | <b>34,572</b>             | <b>34,010</b>             | <b>-562</b>  | <b>-1.63%</b>  | <b>68</b>              | <b>961</b>                  | <b>1,029</b>          |           |                 |              |
| 43-5021        | Couriers and Messengers   | 676                       | 661                       | -15          | -2.22%         | 0                      | 9                           | 9                     | 7         | 3               | 5            |
| 43-5031        | Police, Fire, and Ambulance Dispatchers   | 1,355                     | 1,486                     | 131          | 9.67%          | 13                     | 39                          | 52                    | 7         | 3               | 4            |
| 43-5032        | Dispatchers, Except Police, Fire, and Ambulance                                 | 1,630                     | 1,793                     | 163          | 10.00%         | 16                     | 47                          | 63                    | 7         | 3               | 4            |
| 43-5051        | Postal Service Clerks   | 724                       | 565                       | -159         | -21.96%        | 0                      | 11                          | 11                    | 7         | 3               | 5            |
| 43-5052        | Postal Service Mail Carriers  | 2,934                     | 2,456                     | -478         | -16.29%        | 0                      | 102                         | 102                   | 7         | 3               | 5            |
| 43-5053        | Postal Service Mail Sorters, Processors, and Processing Machine Operators       | 885                       | 711                       | -174         | -19.66%        | 0                      | 6                           | 6                     | 7         | 3               | 5            |
| 43-5061        | Production, Planning, and Expediting Clerks                                     | 2,349                     | 2,453                     | 104          | 4.43%          | 10                     | 59                          | 69                    | 7         | 3               | 4            |
| 43-5071        | Shipping, Receiving, and Traffic Clerks   | 5,130                     | 5,252                     | 122          | 2.38%          | 12                     | 135                         | 147                   | 7         | 3               | 5            |
| 43-5081        | Stock Clerks and Order Fillers  | 16,068                    | 15,762                    | -306         | -1.90%         | 0                      | 485                         | 485                   | 8         | 3               | 5            |
| 43-5111        | Weighers, Measurers, Checkers, and Samplers, Recordkeeping                      | 1,327                     | 1,428                     | 101          | 7.61%          | 10                     | 29                          | 39                    | 7         | 3               | 5            |
| <b>43-6000</b> | <b>Secretaries and Administrative Assistants</b>                                | <b>32,159</b>             | <b>35,362</b>             | <b>3,203</b> | <b>9.96%</b>   | <b>330</b>             | <b>387</b>                  | <b>717</b>            |           |                 |              |
| 43-6011        | Executive Secretaries and Executive Administrative Assistants                   | 5,198                     | 5,099                     | -99          | -1.90%         | 0                      | 63                          | 63                    | 7         | 2               | 6            |
| 43-6012        | Legal Secretaries   | 1,102                     | 1,118                     | 16           | 1.45%          | 2                      | 13                          | 15                    | 7         | 3               | 4            |
| 43-6013        | Medical Secretaries   | 2,087                     | 2,696                     | 609          | 29.18%         | 61                     | 25                          | 86                    | 7         | 3               | 4            |
| 43-6014        | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 23,772                    | 26,449                    | 2,677        | 11.26%         | 268                    | 286                         | 554                   | 7         | 3               | 5            |
| <b>43-9000</b> | <b>Other Office and Administrative Support Workers</b>                          | <b>37,056</b>             | <b>37,627</b>             | <b>571</b>   | <b>1.54%</b>   | <b>136</b>             | <b>767</b>                  | <b>903</b>            |           |                 |              |
| 43-9011        | Computer Operators  | 949                       | 789                       | -160         | -16.86%        | 0                      | 9                           | 9                     | 7         | 3               | 4            |
| 43-9021        | Data Entry Keyers   | 1,668                     | 1,226                     | -442         | -26.50%        | 0                      | 20                          | 20                    | 7         | 3               | 4            |
| 43-9022        | Word Processors and Typists   | 377                       | 305                       | -72          | -19.10%        | 0                      | 1                           | 1                     | 7         | 3               | 5            |
| 43-9031        | Desktop Publishers  | 191                       | 176                       | -15          | -7.85%         | 0                      | 4                           | 4                     | 4         | 3               | 5            |
| 43-9041        | Insurance Claims and Policy Processing Clerks                                   | 1,430                     | 1,604                     | 174          | 12.17%         | 17                     | 38                          | 55                    | 7         | 3               | 4            |
| 43-9051        | Mail Clerks and Mail Machine Operators, Except Postal Service                   | 588                       | 568                       | -20          | -3.40%         | 0                      | 14                          | 14                    | 7         | 3               | 5            |
| 43-9061        | Office Clerks, General  | 29,445                    | 30,514                    | 1,069        | 3.63%          | 107                    | 619                         | 726                   | 7         | 3               | 5            |
| 43-9071        | Office Machine Operators, Except Computer                                       | 783                       | 701                       | -82          | -10.47%        | 0                      | 19                          | 19                    | 7         | 3               | 5            |
| 43-9199        | Office and Administrative Support Workers, All Other                            | 1,262                     | 1,344                     | 82           | 6.50%          | 8                      | 35                          | 43                    | 7         | 3               | 5            |
| <b>45-0000</b> | <b>Farming, Fishing, and Forestry Occupations</b>                               | <b>10,580</b>             | <b>11,015</b>             | <b>435</b>   | <b>4.11%</b>   | <b>63</b>              | <b>270</b>                  | <b>333</b>            |           |                 |              |
| <b>45-1000</b> | <b>Supervisors of Farming, Fishing, and Forestry Workers</b>                    | <b>527</b>                | <b>554</b>                | <b>27</b>    | <b>5.12%</b>   | <b>3</b>               | <b>11</b>                   | <b>14</b>             |           |                 |              |
| 45-1011        | First-Line Supervisors of Farming, Fishing, and Forestry Workers                | 527                       | 554                       | 27           | 5.12%          | 3                      | 11                          | 14                    | 7         | 2               | 6            |

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|----------------|--|---------------------------|---------------------------|--------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 45-2000        | <i>Agricultural Workers</i>  | 8,125                     | 8,633                     | 508          | 6.25%          | 51                     | 229                         | 280                   |           |                 |              |
| 45-2011        | Agricultural Inspectors  | 437                       | 474                       | 37           | 8.47%          | 4                      | 13                          | 17                    | 3         | 3               | 4            |
| 45-2041        | Graders and Sorters, Agricultural Products                           | 1,357                     | 1,443                     | 86           | 6.34%          | 9                      | 24                          | 33                    | 8         | 3               | 5            |
| 45-2091        | Agricultural Equipment Operators                                     | 902                       | 995                       | 93           | 10.31%         | 9                      | 27                          | 36                    | 8         | 3               | 5            |
| 45-2092        | Farmworkers and Laborers, Crop, Nursery, and Greenhouse              | 4,635                     | 4,850                     | 215          | 4.64%          | 22                     | 141                         | 163                   | 8         | 3               | 5            |
| 45-2093        | Farmworkers, Farm, Ranch, and Aquacultural Animals                   | 636                       | 696                       | 60           | 9.43%          | 6                      | 19                          | 25                    | 8         | 3               | 5            |
| 45-3000        | <i>Fishing and Hunting Workers</i>                                   | 33                        | 33                        | 0            | 0.00%          | 0                      | 1                           | 1                     |           |                 |              |
| 45-4000        | <i>Forest, Conservation, and Logging Workers</i>                     | 1,895                     | 1,795                     | -100         | -5.28%         | 10                     | 29                          | 39                    |           |                 |              |
| 45-4011        | Forest and Conservation Workers                                      | 134                       | 138                       | 4            | 2.99%          | 0                      | 2                           | 2                     | 7         | 3               | 4            |
| 45-4021        | Fallers  | 384                       | 247                       | -137         | -35.68%        | 0                      | 6                           | 6                     | 7         | 3               | 4            |
| 45-4022        | Logging Equipment Operators  | 1,154                     | 1,245                     | 91           | 7.89%          | 9                      | 18                          | 27                    | 7         | 3               | 4            |
| 45-4023        | Log Graders and Scalers  | 192                       | 136                       | -56          | -29.17%        | 0                      | 3                           | 3                     | 7         | 3               | 4            |
| 45-4029        | Logging Workers, All Other   | 31                        | 29                        | -2           | -6.45%         | 0                      | 0                           | 0                     | 7         | 3               | 4            |
| <b>47-0000</b> | <b><i>Construction and Extraction Occupations</i></b>                | <b>55,346</b>             | <b>59,799</b>             | <b>4,453</b> | <b>8.05%</b>   | <b>449</b>             | <b>993</b>                  | <b>1,442</b>          |           |                 |              |
| 47-1000        | <i>Supervisors of Construction and Extraction Workers</i>            | 6,042                     | 6,628                     | 586          | 9.70%          | 59                     | 65                          | 124                   |           |                 |              |
| 47-1011        | First-Line Supervisors of Construction Trades and Extraction Workers | 6,042                     | 6,628                     | 586          | 9.70%          | 59                     | 65                          | 124                   | 7         | 1               | 6            |
| 47-2000        | <i>Construction Trades Workers</i>                                   | 39,054                    | 41,922                    | 2,868        | 7.34%          | 288                    | 702                         | 990                   |           |                 |              |
| 47-2011        | Boilermakers   | 42                        | 36                        | -6           | -14.29%        | 0                      | 2                           | 2                     | 7         | 3               | 2            |
| 47-2021        | Brickmasons and Blockmasons  | 569                       | 699                       | 130          | 22.85%         | 13                     | 6                           | 19                    | 7         | 3               | 2            |
| 47-2022        | Stonemasons  | 131                       | 157                       | 26           | 19.85%         | 3                      | 1                           | 4                     | 7         | 3               | 2            |
| 47-2031        | Carpenters   | 4,919                     | 5,376                     | 457          | 9.29%          | 46                     | 61                          | 107                   | 7         | 3               | 2            |
| 47-2041        | Carpet Installers  | 132                       | 142                       | 10           | 7.58%          | 1                      | 2                           | 3                     | 8         | 3               | 5            |
| 47-2042        | Floor Layers, Except Carpet, Wood, and Hard Tiles                    | 68                        | 77                        | 9            | 13.24%         | 1                      | 1                           | 2                     | 7         | 3               | 4            |
| 47-2043        | Floor Sanders and Finishers  | 98                        | 111                       | 13           | 13.27%         | 1                      | 2                           | 3                     | 7         | 3               | 4            |
| 47-2044        | Tile and Marble Setters  | 177                       | 194                       | 17           | 9.60%          | 2                      | 3                           | 5                     | 8         | 3               | 3            |
| 47-2051        | Cement Masons and Concrete Finishers                                 | 1,020                     | 1,121                     | 101          | 9.90%          | 10                     | 12                          | 22                    | 8         | 3               | 4            |
| 47-2061        | Construction Laborers  | 10,849                    | 11,551                    | 702          | 6.47%          | 70                     | 232                         | 302                   | 8         | 3               | 5            |
| 47-2071        | Paving, Surfacing, and Tamping Equipment Operators                   | 1,002                     | 1,049                     | 47           | 4.69%          | 5                      | 14                          | 19                    | 7         | 3               | 4            |
| 47-2073        | Operating Engineers and Other Construction Equipment Operators       | 4,340                     | 4,645                     | 305          | 7.03%          | 30                     | 96                          | 126                   | 7         | 3               | 4            |
| 47-2081        | Drywall and Ceiling Tile Installers                                  | 616                       | 691                       | 75           | 12.18%         | 8                      | 6                           | 14                    | 8         | 3               | 4            |
| 47-2111        | Electricians   | 5,105                     | 5,450                     | 345          | 6.76%          | 34                     | 96                          | 130                   | 7         | 3               | 2            |

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|----------|---|---------------------------|---------------------------|------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 47-2121  | Glaziers  | 407                       | 421                       | 14         | 3.44%          | 1                      | 10                          | 11                    | 7         | 3               | 2            |
| 47-2131  | Insulation Workers, Floor, Ceiling, and Wall                                | 148                       | 185                       | 37         | 25.00%         | 4                      | 2                           | 6                     | 8         | 3               | 5            |
| 47-2132  | Insulation Workers, Mechanical  | 115                       | 150                       | 35         | 30.43%         | 4                      | 2                           | 6                     | 7         | 3               | 2            |
| 47-2141  | Painters, Construction and Maintenance                                      | 2,054                     | 2,295                     | 241        | 11.73%         | 24                     | 31                          | 55                    | 8         | 3               | 4            |
| 47-2151  | Pipelayers  | 343                       | 359                       | 16         | 4.66%          | 2                      | 4                           | 6                     | 8         | 3               | 5            |
| 47-2152  | Plumbers, Pipefitters, and Steamfitters                                     | 3,455                     | 3,639                     | 184        | 5.33%          | 18                     | 43                          | 61                    | 7         | 3               | 2            |
| 47-2171  | Reinforcing Iron and Rebar Workers  | 75                        | 79                        | 4          | 5.33%          | 0                      | 1                           | 1                     | 7         | 3               | 2            |
| 47-2181  | Roofers   | 1,006                     | 997                       | -9         | -0.89%         | 0                      | 21                          | 21                    | 8         | 3               | 4            |
| 47-2211  | Sheet Metal Workers   | 1,580                     | 1,640                     | 60         | 3.80%          | 6                      | 30                          | 36                    | 7         | 3               | 2            |
| 47-2221  | Structural Iron and Steel Workers   | 671                       | 712                       | 41         | 6.11%          | 4                      | 22                          | 26                    | 7         | 3               | 2            |
| 47-3000  | <i>Helpers, Construction Trades</i>   | <i>2,798</i>              | <i>3,170</i>              | <i>372</i> | <i>13.30%</i>  | <i>37</i>              | <i>44</i>                   | <i>81</i>             |           |                 |              |
| 47-3011  | Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters | 427                       | 544                       | 117        | 27.40%         | 12                     | 7                           | 19                    | 8         | 3               | 5            |
| 47-3012  | Helpers--Carpenters   | 467                       | 507                       | 40         | 8.57%          | 4                      | 7                           | 11                    | 8         | 3               | 5            |
| 47-3013  | Helpers--Electricians   | 652                       | 768                       | 116        | 17.79%         | 12                     | 10                          | 22                    | 7         | 3               | 5            |
| 47-3014  | Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons              | 165                       | 171                       | 6          | 3.64%          | 1                      | 3                           | 4                     | 8         | 3               | 5            |
| 47-3015  | Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters                | 506                       | 553                       | 47         | 9.29%          | 5                      | 8                           | 13                    | 7         | 3               | 5            |
| 47-3016  | Helpers--Roofers  | 244                       | 249                       | 5          | 2.05%          | 0                      | 4                           | 4                     | 8         | 3               | 5            |
| 47-3019  | Helpers, Construction Trades, All Other                                     | 337                       | 378                       | 41         | 12.17%         | 4                      | 5                           | 9                     | 8         | 3               | 5            |
| 47-4000  | <i>Other Construction and Related Workers</i>                               | <i>3,869</i>              | <i>4,176</i>              | <i>307</i> | <i>7.93%</i>   | <i>33</i>              | <i>72</i>                   | <i>105</i>            |           |                 |              |
| 47-4011  | Construction and Building Inspectors  | 753                       | 822                       | 69         | 9.16%          | 7                      | 18                          | 25                    | 7         | 1               | 4            |
| 47-4031  | Fence Erectors  | 267                       | 298                       | 31         | 11.61%         | 3                      | 6                           | 9                     | 7         | 3               | 4            |
| 47-4051  | Highway Maintenance Workers   | 1,747                     | 1,912                     | 165        | 9.44%          | 16                     | 26                          | 42                    | 7         | 3               | 4            |
| 47-4071  | Septic Tank Servicers and Sewer Pipe Cleaners                               | 201                       | 234                       | 33         | 16.42%         | 3                      | 4                           | 7                     | 8         | 3               | 4            |
| 47-4099  | Construction and Related Workers, All Other                                 | 450                       | 461                       | 11         | 2.44%          | 1                      | 8                           | 9                     | 7         | 3               | 4            |
| 47-5000  | <i>Extraction Workers</i>   | <i>3,583</i>              | <i>3,903</i>              | <i>320</i> | <i>8.93%</i>   | <i>32</i>              | <i>110</i>                  | <i>142</i>            |           |                 |              |
| 47-5011  | Derrick Operators, Oil and Gas  | 440                       | 482                       | 42         | 9.55%          | 4                      | 18                          | 22                    | 8         | 3               | 5            |
| 47-5012  | Rotary Drill Operators, Oil and Gas   | 353                       | 387                       | 34         | 9.63%          | 3                      | 14                          | 17                    | 8         | 3               | 4            |
| 47-5013  | Service Unit Operators, Oil, Gas, and Mining                                | 538                       | 605                       | 67         | 12.45%         | 7                      | 22                          | 29                    | 8         | 3               | 4            |
| 47-5021  | Earth Drillers, Except Oil and Gas  | 188                       | 197                       | 9          | 4.79%          | 1                      | 5                           | 6                     | 7         | 3               | 4            |
| 47-5031  | Explosives Workers, Ordnance Handling Experts, and Blasters                 | 261                       | 284                       | 23         | 8.81%          | 2                      | 7                           | 9                     | 7         | 2               | 3            |
| 47-5041  | Continuous Mining Machine Operators   | 57                        | 57                        | 0          | 0.00%          | 0                      | 1                           | 1                     | 7         | 3               | 4            |

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| 47-5042        | Mine Cutting and Channeling Machine Operators                                   | 40                        | 42                        | 2            | 5.00%          | 0                      | 1                           | 1                     | 7         | 3               | 4            |
| 47-5051        | Rock Splitters, Quarry  | 114                       | 122                       | 8            | 7.02%          | 1                      | 2                           | 3                     | 7         | 3               | 5            |
| 47-5071        | Roustabouts, Oil and Gas  | 1,036                     | 1,135                     | 99           | 9.56%          | 10                     | 27                          | 37                    | 8         | 3               | 4            |
| 47-5081        | Helpers--Extraction Workers   | 427                       | 456                       | 29           | 6.79%          | 3                      | 11                          | 14                    | 7         | 3               | 4            |
| 47-5099        | Extraction Workers, All Other   | 112                       | 120                       | 8            | 7.14%          | 1                      | 2                           | 3                     | 7         | 3               | 4            |
| <b>49-0000</b> | <b><i>Installation, Maintenance, and Repair Occupations</i></b>                 | <b>54,610</b>             | <b>59,531</b>             | <b>4,921</b> | <b>9.01%</b>   | <b>514</b>             | <b>1,295</b>                | <b>1,809</b>          |           |                 |              |
| 49-1000        | <i>Supervisors of Installation, Maintenance, and Repair Workers</i>             | 4,593                     | 4,910                     | 317          | 6.90%          | 32                     | 124                         | 156                   |           |                 |              |
| 49-1011        | First-Line Supervisors of Mechanics, Installers, and Repairers                  | 4,593                     | 4,910                     | 317          | 6.90%          | 32                     | 124                         | 156                   | 7         | 2               | 6            |
| 49-2000        | <i>Electrical and Electronic Equipment Mechanics, Installers, and Repairers</i> | 4,564                     | 4,645                     | 81           | 1.77%          | 17                     | 87                          | 104                   |           |                 |              |
| 49-2011        | Computer, Automated Teller, and Office Machine Repairers                        | 1,078                     | 1,087                     | 9            | 0.83%          | 1                      | 22                          | 23                    | 6         | 3               | 6            |
| 49-2022        | Telecommunications Equipment Installers and Repairers, Except Line Installers   | 1,180                     | 1,169                     | -11          | -0.93%         | 0                      | 16                          | 16                    | 5         | 3               | 4            |
| 49-2091        | Avionics Technicians  | 119                       | 129                       | 10           | 8.40%          | 1                      | 2                           | 3                     | 4         | 3               | 6            |
| 49-2092        | Electric Motor, Power Tool, and Related Repairers                               | 226                       | 208                       | -18          | -7.96%         | 0                      | 4                           | 4                     | 5         | 3               | 3            |
| 49-2094        | Electrical and Electronics Repairers, Commercial and Industrial Equipment       | 565                       | 621                       | 56           | 9.91%          | 6                      | 11                          | 17                    | 5         | 3               | 3            |
| 49-2095        | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay         | 336                       | 387                       | 51           | 15.18%         | 5                      | 7                           | 12                    | 5         | 3               | 3            |
| 49-2096        | Electronic Equipment Installers and Repairers, Motor Vehicles                   | 105                       | 101                       | -4           | -3.81%         | 0                      | 1                           | 1                     | 5         | 3               | 5            |
| 49-2097        | Electronic Home Entertainment Equipment Installers and Repairers                | 236                       | 224                       | -12          | -5.08%         | 0                      | 8                           | 8                     | 5         | 3               | 6            |
| 49-2098        | Security and Fire Alarm Systems Installers                                      | 403                       | 444                       | 41           | 10.17%         | 4                      | 8                           | 12                    | 7         | 3               | 4            |
| 49-3000        | <i>Vehicle and Mobile Equipment Mechanics, Installers, and Repairers</i>        | 16,126                    | 17,473                    | 1,347        | 8.35%          | 137                    | 403                         | 540                   |           |                 |              |
| 49-3011        | Aircraft Mechanics and Service Technicians                                      | 920                       | 1,102                     | 182          | 19.78%         | 18                     | 25                          | 43                    | 5         | 3               | 6            |
| 49-3021        | Automotive Body and Related Repairers   | 1,433                     | 1,541                     | 108          | 7.54%          | 11                     | 28                          | 39                    | 7         | 3               | 4            |
| 49-3022        | Automotive Glass Installers and Repairers                                       | 399                       | 429                       | 30           | 7.52%          | 3                      | 10                          | 13                    | 7         | 3               | 4            |
| 49-3023        | Automotive Service Technicians and Mechanics                                    | 5,376                     | 5,754                     | 378          | 7.03%          | 38                     | 136                         | 174                   | 7         | 3               | 3            |
| 49-3031        | Bus and Truck Mechanics and Diesel Engine Specialists                           | 3,575                     | 3,910                     | 335          | 9.37%          | 34                     | 76                          | 110                   | 7         | 3               | 3            |
| 49-3041        | Farm Equipment Mechanics and Service Technicians                                | 822                       | 904                       | 82           | 9.98%          | 8                      | 24                          | 32                    | 7         | 3               | 3            |
| 49-3042        | Mobile Heavy Equipment Mechanics, Except Engines                                | 1,351                     | 1,459                     | 108          | 7.99%          | 11                     | 39                          | 50                    | 7         | 3               | 3            |
| 49-3051        | Motorboat Mechanics and Service Technicians                                     | 255                       | 272                       | 17           | 6.67%          | 2                      | 5                           | 7                     | 7         | 3               | 3            |
| 49-3053        | Outdoor Power Equipment and Other Small Engine Mechanics                        | 361                       | 375                       | 14           | 3.88%          | 1                      | 8                           | 9                     | 7         | 3               | 4            |
| 49-3092        | Recreational Vehicle Service Technicians  | 224                       | 240                       | 16           | 7.14%          | 2                      | 8                           | 10                    | 7         | 3               | 3            |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code       | SOC Title   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth   | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------------|---|---------------------------|---------------------------|--------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 49-3093        | Tire Repairers and Changers   | 953                       | 1,034                     | 81           | 8.50%          | 8                      | 33                          | 41                    | 7         | 3               | 5            |
| 49-9000        | <i>Other Installation, Maintenance, and Repair Occupations</i>        | 29,327                    | 32,503                    | 3,176        | 10.83%         | 329                    | 682                         | 1,011                 |           |                 |              |
| 49-9011        | Mechanical Door Repairers   | 120                       | 144                       | 24           | 20.00%         | 2                      | 4                           | 6                     | 7         | 3               | 4            |
| 49-9012        | Control and Valve Installers and Repairers, Except Mechanical Door    | 712                       | 692                       | -20          | -2.81%         | 0                      | 24                          | 24                    | 7         | 3               | 4            |
| 49-9021        | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 2,375                     | 2,567                     | 192          | 8.08%          | 19                     | 60                          | 79                    | 5         | 3               | 3            |
| 49-9031        | Home Appliance Repairers  | 225                       | 239                       | 14           | 6.22%          | 1                      | 7                           | 8                     | 7         | 3               | 4            |
| 49-9041        | Industrial Machinery Mechanics  | 4,803                     | 5,876                     | 1,073        | 22.34%         | 107                    | 139                         | 246                   | 7         | 3               | 3            |
| 49-9043        | Maintenance Workers, Machinery  | 1,148                     | 1,324                     | 176          | 15.33%         | 18                     | 14                          | 32                    | 7         | 3               | 4            |
| 49-9044        | Millwrights   | 593                       | 658                       | 65           | 10.96%         | 6                      | 9                           | 15                    | 7         | 3               | 2            |
| 49-9045        | Refractory Materials Repairers, Except Brickmasons                    | 34                        | 42                        | 8            | 23.53%         | 1                      | 1                           | 2                     | 7         | 3               | 4            |
| 49-9051        | Electrical Power-Line Installers and Repairers                        | 1,626                     | 1,862                     | 236          | 14.51%         | 24                     | 56                          | 80                    | 7         | 3               | 3            |
| 49-9052        | Telecommunications Line Installers and Repairers                      | 972                       | 914                       | -58          | -5.97%         | 0                      | 24                          | 24                    | 7         | 3               | 3            |
| 49-9062        | Medical Equipment Repairers   | 276                       | 344                       | 68           | 24.64%         | 7                      | 8                           | 15                    | 4         | 3               | 4            |
| 49-9069        | Precision Instrument and Equipment Repairers, All Other               | 119                       | 132                       | 13           | 10.92%         | 1                      | 3                           | 4                     | 7         | 3               | 3            |
| 49-9071        | Maintenance and Repair Workers, General                               | 12,568                    | 13,716                    | 1,148        | 9.13%          | 115                    | 241                         | 356                   | 7         | 3               | 3            |
| 49-9091        | Coin, Vending, and Amusement Machine Servicers and Repairers          | 349                       | 337                       | -12          | -3.44%         | 0                      | 4                           | 4                     | 7         | 3               | 5            |
| 49-9094        | Locksmiths and Safe Repairers   | 162                       | 173                       | 11           | 6.79%          | 1                      | 5                           | 6                     | 7         | 3               | 3            |
| 49-9095        | Manufactured Building and Mobile Home Installers                      | 65                        | 54                        | -11          | -16.92%        | 0                      | 2                           | 2                     | 7         | 3               | 4            |
| 49-9096        | Riggers   | 100                       | 122                       | 22           | 22.00%         | 2                      | 2                           | 4                     | 7         | 3               | 5            |
| 49-9097        | Signal and Track Switch Repairers                                     | 86                        | 72                        | -14          | -16.28%        | 0                      | 2                           | 2                     | 7         | 3               | 4            |
| 49-9098        | Helpers--Installation, Maintenance, and Repair Workers                | 1,858                     | 2,008                     | 150          | 8.07%          | 15                     | 56                          | 71                    | 7         | 3               | 4            |
| 49-9099        | Installation, Maintenance, and Repair Workers, All Other              | 1,082                     | 1,169                     | 87           | 8.04%          | 9                      | 18                          | 27                    | 7         | 3               | 4            |
| <b>51-0000</b> | <b><i>Production Occupations</i></b>                                  | <b>116,025</b>            | <b>122,370</b>            | <b>6,345</b> | <b>5.47%</b>   | <b>708</b>             | <b>2,369</b>                | <b>3,077</b>          |           |                 |              |
| 51-1000        | <i>Supervisors of Production Workers</i>                              | 7,381                     | 7,784                     | 403          | 5.46%          | 40                     | 104                         | 144                   |           |                 |              |
| 51-1011        | First-Line Supervisors of Production and Operating Workers            | 7,381                     | 7,784                     | 403          | 5.46%          | 40                     | 104                         | 144                   | 5         | 2               | 6            |
| 51-2000        | <i>Assemblers and Fabricators</i>                                     | 19,157                    | 20,067                    | 910          | 4.75%          | 97                     | 318                         | 415                   |           |                 |              |
| 51-2021        | Coil Winders, Tapers, and Finishers                                   | 344                       | 305                       | -39          | -11.34%        | 0                      | 4                           | 4                     | 7         | 3               | 5            |
| 51-2022        | Electrical and Electronic Equipment Assemblers                        | 615                       | 603                       | -12          | -1.95%         | 0                      | 8                           | 8                     | 7         | 3               | 5            |
| 51-2023        | Electromechanical Equipment Assemblers                                | 440                       | 438                       | -2           | -0.45%         | 0                      | 5                           | 5                     | 7         | 3               | 5            |
| 51-2031        | Engine and Other Machine Assemblers                                   | 416                       | 415                       | -1           | -0.24%         | 0                      | 7                           | 7                     | 7         | 3               | 5            |
| 51-2041        | Structural Metal Fabricators and Fitters                              | 808                       | 846                       | 38           | 4.70%          | 4                      | 32                          | 36                    | 7         | 3               | 4            |

# 2012-2022 State of Arkansas Occupational Projections

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|----------|---|---------------------------|---------------------------|------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 51-2091  | Fiberglass Laminators and Fabricators   | 214                       | 206                       | -8         | -3.74%         | 0                      | 3                           | 3                     | 7         | 3               | 4            |
| 51-2092  | Team Assemblers   | 14,263                    | 14,986                    | 723        | 5.07%          | 72                     | 226                         | 298                   | 7         | 3               | 4            |
| 51-2099  | Assemblers and Fabricators, All Other   | 1,902                     | 2,100                     | 198        | 10.41%         | 20                     | 30                          | 50                    | 7         | 3               | 4            |
| 51-3000  | <i>Food Processing Workers</i>  | 14,919                    | 15,857                    | 938        | 6.29%          | 97                     | 382                         | 479                   |           |                 |              |
| 51-3011  | Bakers  | 1,133                     | 1,281                     | 148        | 13.06%         | 15                     | 28                          | 43                    | 8         | 3               | 3            |
| 51-3021  | Butchers and Meat Cutters   | 924                       | 953                       | 29         | 3.14%          | 3                      | 23                          | 26                    | 8         | 3               | 3            |
| 51-3022  | Meat, Poultry, and Fish Cutters and Trimmers  | 7,348                     | 7,885                     | 537        | 7.31%          | 54                     | 181                         | 235                   | 8         | 3               | 5            |
| 51-3023  | Slaughterers and Meat Packers   | 1,023                     | 991                       | -32        | -3.13%         | 0                      | 25                          | 25                    | 8         | 3               | 5            |
| 51-3091  | Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders                               | 256                       | 278                       | 22         | 8.59%          | 2                      | 7                           | 9                     | 8         | 3               | 4            |
| 51-3092  | Food Batchmakers  | 1,294                     | 1,337                     | 43         | 3.32%          | 4                      | 42                          | 46                    | 7         | 3               | 4            |
| 51-3093  | Food Cooking Machine Operators and Tenders  | 478                       | 487                       | 9          | 1.88%          | 1                      | 12                          | 13                    | 7         | 3               | 4            |
| 51-3099  | Food Processing Workers, All Other  | 2,463                     | 2,645                     | 182        | 7.39%          | 18                     | 64                          | 82                    | 8         | 3               | 4            |
| 51-4000  | <i>Metal Workers and Plastic Workers</i>  | 22,296                    | 23,560                    | 1,264      | 5.67%          | 175                    | 443                         | 618                   |           |                 |              |
| 51-4011  | Computer-Controlled Machine Tool Operators, Metal and Plastic   | 2,258                     | 2,899                     | 641        | 28.39%         | 64                     | 63                          | 127                   | 7         | 3               | 4            |
| 51-4012  | Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic                               | 75                        | 110                       | 35         | 46.67%         | 4                      | 2                           | 6                     | 7         | 3               | 3            |
| 51-4021  | Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic                          | 1,295                     | 1,171                     | -124       | -9.58%         | 0                      | 25                          | 25                    | 7         | 3               | 4            |
| 51-4022  | Forging Machine Setters, Operators, and Tenders, Metal and Plastic  | 256                       | 233                       | -23        | -8.98%         | 0                      | 5                           | 5                     | 7         | 3               | 4            |
| 51-4023  | Rolling Machine Setters, Operators, and Tenders, Metal and Plastic  | 399                       | 410                       | 11         | 2.76%          | 1                      | 8                           | 9                     | 7         | 3               | 4            |
| 51-4031  | Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic                   | 2,179                     | 2,091                     | -88        | -4.04%         | 0                      | 18                          | 18                    | 7         | 3               | 4            |
| 51-4032  | Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic                       | 69                        | 58                        | -11        | -15.94%        | 0                      | 1                           | 1                     | 7         | 3               | 4            |
| 51-4033  | Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 673                       | 707                       | 34         | 5.05%          | 3                      | 15                          | 18                    | 7         | 3               | 4            |
| 51-4034  | Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic                         | 186                       | 170                       | -16        | -8.60%         | 0                      | 4                           | 4                     | 7         | 3               | 4            |
| 51-4035  | Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic                            | 361                       | 386                       | 25         | 6.93%          | 2                      | 7                           | 9                     | 7         | 3               | 4            |
| 51-4041  | Machinists  | 3,294                     | 3,592                     | 298        | 9.05%          | 30                     | 76                          | 106                   | 7         | 3               | 3            |
| 51-4051  | Metal-Refining Furnace Operators and Tenders  | 238                       | 291                       | 53         | 22.27%         | 5                      | 3                           | 8                     | 7         | 3               | 4            |
| 51-4052  | Pourers and Casters, Metal  | 223                       | 253                       | 30         | 13.45%         | 3                      | 3                           | 6                     | 7         | 3               | 4            |



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|----------|---|---------------------------|---------------------------|------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 51-4061  | Model Makers, Metal and Plastic   | 38                        | 41                        | 3          | 7.89%          | 0                      | 1                           | 1                     | 7         | 3               | 4            |
| 51-4062  | Patternmakers, Metal and Plastic  | 78                        | 95                        | 17         | 21.79%         | 2                      | 2                           | 4                     | 7         | 3               | 4            |
| 51-4072  | Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic | 1,510                     | 1,416                     | -94        | -6.23%         | 0                      | 18                          | 18                    | 7         | 3               | 4            |
| 51-4081  | Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic                    | 790                       | 716                       | -74        | -9.37%         | 0                      | 15                          | 15                    | 7         | 3               | 4            |
| 51-4111  | Tool and Die Makers   | 720                       | 786                       | 66         | 9.17%          | 7                      | 4                           | 11                    | 7         | 3               | 3            |
| 51-4121  | Welders, Cutters, Solderers, and Brazers  | 5,154                     | 5,495                     | 341        | 6.62%          | 34                     | 126                         | 160                   | 7         | 3               | 4            |
| 51-4122  | Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders                     | 506                       | 645                       | 139        | 27.47%         | 14                     | 12                          | 26                    | 7         | 3               | 4            |
| 51-4191  | Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic                  | 327                       | 355                       | 28         | 8.56%          | 3                      | 6                           | 9                     | 7         | 3               | 4            |
| 51-4193  | Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic              | 857                       | 797                       | -60        | -7.00%         | 0                      | 16                          | 16                    | 7         | 3               | 4            |
| 51-4194  | Tool Grinders, Filers, and Sharpeners   | 192                       | 211                       | 19         | 9.90%          | 2                      | 4                           | 6                     | 7         | 3               | 4            |
| 51-4199  | Metal Workers and Plastic Workers, All Other  | 271                       | 274                       | 3          | 1.11%          | 0                      | 3                           | 3                     | 7         | 3               | 4            |
| 51-5100  | <i>Printing Workers</i>   | 2,167                     | 2,132                     | -35        | -1.62%         | 0                      | 41                          | 41                    |           |                 |              |
| 51-5111  | Prepress Technicians and Workers  | 408                       | 375                       | -33        | -8.09%         | 0                      | 10                          | 10                    | 5         | 3               | 6            |
| 51-5112  | Printing Press Operators  | 1,340                     | 1,344                     | 4          | 0.30%          | 0                      | 24                          | 24                    | 7         | 3               | 4            |
| 51-5113  | Print Binding and Finishing Workers   | 419                       | 413                       | -6         | -1.43%         | 0                      | 7                           | 7                     | 7         | 3               | 5            |
| 51-6000  | <i>Textile, Apparel, and Furnishings Workers</i>  | 5,916                     | 6,331                     | 415        | 7.01%          | 42                     | 99                          | 141                   |           |                 |              |
| 51-6011  | Laundry and Dry-Cleaning Workers  | 1,609                     | 1,779                     | 170        | 10.57%         | 17                     | 48                          | 65                    | 8         | 3               | 5            |
| 51-6021  | Pressers, Textile, Garment, and Related Materials   | 710                       | 747                       | 37         | 5.21%          | 4                      | 7                           | 11                    | 8         | 3               | 5            |
| 51-6031  | Sewing Machine Operators  | 1,420                     | 1,494                     | 74         | 5.21%          | 7                      | 7                           | 14                    | 8         | 3               | 5            |
| 51-6041  | Shoe and Leather Workers and Repairers  | 95                        | 108                       | 13         | 13.68%         | 1                      | 2                           | 3                     | 7         | 3               | 4            |
| 51-6051  | Sewers, Hand  | 63                        | 68                        | 5          | 7.94%          | 0                      | 1                           | 1                     | 8         | 3               | 4            |
| 51-6052  | Tailors, Dressmakers, and Custom Sewers   | 469                       | 498                       | 29         | 6.18%          | 3                      | 5                           | 8                     | 8         | 3               | 4            |
| 51-6062  | Textile Cutting Machine Setters, Operators, and Tenders                                     | 129                       | 134                       | 5          | 3.88%          | 0                      | 2                           | 2                     | 7         | 3               | 4            |
| 51-6091  | Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers   | 213                       | 222                       | 9          | 4.23%          | 1                      | 3                           | 4                     | 7         | 3               | 4            |
| 51-6093  | Upholsterers  | 609                       | 610                       | 1          | 0.16%          | 0                      | 16                          | 16                    | 7         | 3               | 4            |
| 51-6099  | Textile, Apparel, and Furnishings Workers, All Other  | 133                       | 162                       | 29         | 21.80%         | 3                      | 1                           | 4                     | 7         | 3               | 5            |
| 51-7000  | <i>Woodworkers</i>  | 3,356                     | 3,569                     | 213        | 6.35%          | 24                     | 60                          | 84                    |           |                 |              |
| 51-7011  | Cabinetmakers and Bench Carpenters  | 867                       | 841                       | -26        | -3.00%         | 0                      | 7                           | 7                     | 7         | 3               | 4            |
| 51-7021  | Furniture Finishers   | 80                        | 84                        | 4          | 5.00%          | 0                      | 1                           | 1                     | 7         | 3               | 5            |

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|----------|---|---------------------------|---------------------------|------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 51-7041  | Sawing Machine Setters, Operators, and Tenders, Wood  | 1,162                     | 1,325                     | 163        | 14.03%         | 16                     | 32                          | 48                    | 7         | 3               | 5            |
| 51-7042  | Woodworking Machine Setters, Operators, and Tenders, Except Sawing                                  | 737                       | 776                       | 39         | 5.29%          | 4                      | 4                           | 8                     | 7         | 3               | 5            |
| 51-7099  | Woodworkers, All Other  | 448                       | 474                       | 26         | 5.80%          | 3                      | 15                          | 18                    | 7         | 3               | 4            |
| 51-8000  | <i>Plant and System Operators</i>   | 3,702                     | 3,968                     | 266        | 7.19%          | 28                     | 127                         | 155                   |           |                 |              |
| 51-8012  | Power Distributors and Dispatchers  | 305                       | 347                       | 42         | 13.77%         | 4                      | 10                          | 14                    | 7         | 3               | 3            |
| 51-8013  | Power Plant Operators   | 433                       | 425                       | -8         | -1.85%         | 0                      | 13                          | 13                    | 7         | 3               | 3            |
| 51-8021  | Stationary Engineers and Boiler Operators   | 366                       | 387                       | 21         | 5.74%          | 2                      | 11                          | 13                    | 7         | 3               | 3            |
| 51-8031  | Water and Wastewater Treatment Plant and System Operators   | 1,674                     | 1,855                     | 181        | 10.81%         | 18                     | 59                          | 77                    | 7         | 3               | 3            |
| 51-8091  | Chemical Plant and System Operators   | 374                       | 393                       | 19         | 5.08%          | 2                      | 14                          | 16                    | 7         | 3               | 3            |
| 51-8092  | Gas Plant Operators   | 75                        | 70                        | -5         | -6.67%         | 0                      | 3                           | 3                     | 7         | 3               | 3            |
| 51-8093  | Petroleum Pump System Operators, Refinery Operators, and Gaugers                                    | 341                       | 342                       | 1          | 0.29%          | 0                      | 13                          | 13                    | 7         | 3               | 3            |
| 51-9000  | <i>Other Production Occupations</i>   | 37,131                    | 39,102                    | 1,971      | 5.31%          | 205                    | 796                         | 1,001                 |           |                 |              |
| 51-9011  | Chemical Equipment Operators and Tenders  | 574                       | 726                       | 152        | 26.48%         | 15                     | 20                          | 35                    | 7         | 3               | 4            |
| 51-9012  | Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders | 381                       | 385                       | 4          | 1.05%          | 0                      | 13                          | 13                    | 7         | 3               | 4            |
| 51-9021  | Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders                           | 486                       | 484                       | -2         | -0.41%         | 0                      | 14                          | 14                    | 7         | 3               | 4            |
| 51-9022  | Grinding and Polishing Workers, Hand  | 137                       | 152                       | 15         | 10.95%         | 2                      | 4                           | 6                     | 8         | 3               | 4            |
| 51-9023  | Mixing and Blending Machine Setters, Operators, and Tenders   | 1,320                     | 1,421                     | 101        | 7.65%          | 10                     | 37                          | 47                    | 7         | 3               | 4            |
| 51-9032  | Cutting and Slicing Machine Setters, Operators, and Tenders   | 1,637                     | 1,668                     | 31         | 1.89%          | 3                      | 28                          | 31                    | 7         | 3               | 5            |
| 51-9041  | Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders                | 652                       | 696                       | 44         | 6.75%          | 4                      | 18                          | 22                    | 7         | 3               | 4            |
| 51-9051  | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders  | 547                       | 588                       | 41         | 7.50%          | 4                      | 13                          | 17                    | 7         | 3               | 4            |
| 51-9061  | Inspectors, Testers, Sorters, Samplers, and Weighers  | 6,015                     | 6,654                     | 639        | 10.62%         | 64                     | 132                         | 196                   | 7         | 3               | 4            |
| 51-9071  | Jewelers and Precious Stone and Metal Workers   | 206                       | 217                       | 11         | 5.34%          | 1                      | 4                           | 5                     | 7         | 3               | 3            |
| 51-9081  | Dental Laboratory Technicians   | 368                       | 386                       | 18         | 4.89%          | 2                      | 12                          | 14                    | 7         | 3               | 4            |
| 51-9082  | Medical Appliance Technicians   | 160                       | 170                       | 10         | 6.25%          | 1                      | 5                           | 6                     | 7         | 3               | 3            |
| 51-9083  | Ophthalmic Laboratory Technicians   | 308                       | 338                       | 30         | 9.74%          | 3                      | 10                          | 13                    | 7         | 3               | 4            |
| 51-9111  | Packaging and Filling Machine Operators and Tenders   | 4,517                     | 4,580                     | 63         | 1.39%          | 6                      | 106                         | 112                   | 7         | 3               | 4            |
| 51-9121  | Coating, Painting, and Spraying Machine Setters, Operators, and Tenders                             | 926                       | 983                       | 57         | 6.16%          | 6                      | 17                          | 23                    | 7         | 3               | 4            |
| 51-9122  | Painters, Transportation Equipment  | 779                       | 852                       | 73         | 9.37%          | 7                      | 14                          | 21                    | 7         | 3               | 4            |
| 51-9123  | Painting, Coating, and Decorating Workers   | 81                        | 74                        | -7         | -8.64%         | 0                      | 2                           | 2                     | 8         | 3               | 4            |

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|----------------|--|---------------------------|---------------------------|--------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 51-9151        | Photographic Process Workers and Processing Machine Operators                              | 422                       | 407                       | -15          | -3.55%         | 0                      | 12                          | 12                    | 7         | 3               | 5            |
| 51-9191        | Adhesive Bonding Machine Operators and Tenders   | 527                       | 545                       | 18           | 3.42%          | 2                      | 12                          | 14                    | 7         | 3               | 4            |
| 51-9192        | Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders                      | 150                       | 159                       | 9            | 6.00%          | 1                      | 4                           | 5                     | 8         | 3               | 4            |
| 51-9193        | Cooling and Freezing Equipment Operators and Tenders                                       | 504                       | 536                       | 32           | 6.35%          | 3                      | 12                          | 15                    | 7         | 3               | 4            |
| 51-9195        | Molders, Shapers, and Casters, Except Metal and Plastic                                    | 418                       | 444                       | 26           | 6.22%          | 3                      | 14                          | 17                    | 7         | 3               | 3            |
| 51-9196        | Paper Goods Machine Setters, Operators, and Tenders  | 1,823                     | 1,778                     | -45          | -2.47%         | 0                      | 16                          | 16                    | 7         | 3               | 4            |
| 51-9197        | Tire Builders  | 586                       | 643                       | 57           | 9.73%          | 6                      | 14                          | 20                    | 7         | 3               | 4            |
| 51-9198        | Helpers--Production Workers  | 10,535                    | 11,049                    | 514          | 4.88%          | 51                     | 182                         | 233                   | 8         | 3               | 5            |
| 51-9199        | Production Workers, All Other  | 2,985                     | 3,082                     | 97           | 3.25%          | 10                     | 78                          | 88                    | 7         | 3               | 4            |
| <b>53-0000</b> | <b>Transportation and Material Moving Occupations</b>                                      | <b>108,986</b>            | <b>116,394</b>            | <b>7,408</b> | <b>6.80%</b>   | <b>801</b>             | <b>2,423</b>                | <b>3,224</b>          |           |                 |              |
| 53-1000        | Supervisors of Transportation and Material Moving Workers                                  | 3,723                     | 3,987                     | 264          | 7.09%          | 26                     | 102                         | 128                   |           |                 |              |
| 53-1011        | Aircraft Cargo Handling Supervisors  | 47                        | 48                        | 1            | 2.13%          | 0                      | 1                           | 1                     | 7         | 2               | 6            |
| 53-1021        | First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand                     | 1,670                     | 1,784                     | 114          | 6.83%          | 11                     | 46                          | 57                    | 7         | 2               | 6            |
| 53-1031        | First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators | 2,006                     | 2,155                     | 149          | 7.43%          | 15                     | 55                          | 70                    | 7         | 2               | 6            |
| 53-2000        | Air Transportation Workers   | 606                       | 706                       | 100          | 16.50%         | 10                     | 19                          | 29                    |           |                 |              |
| 53-2011        | Airline Pilots, Copilots, and Flight Engineers   | 87                        | 91                        | 4            | 4.60%          | 0                      | 2                           | 2                     | 3         | 2               | 4            |
| 53-2012        | Commercial Pilots  | 409                       | 481                       | 72           | 17.60%         | 7                      | 12                          | 19                    | 7         | 3               | 4            |
| 53-3000        | Motor Vehicle Operators  | 53,000                    | 57,621                    | 4,621        | 8.72%          | 462                    | 856                         | 1,318                 |           |                 |              |
| 53-3022        | Bus Drivers, School or Special Client  | 4,795                     | 4,938                     | 143          | 2.98%          | 14                     | 88                          | 102                   | 7         | 3               | 5            |
| 53-3031        | Driver/Sales Workers   | 3,733                     | 4,030                     | 297          | 7.96%          | 30                     | 60                          | 90                    | 7         | 3               | 5            |
| 53-3032        | Heavy and Tractor-Trailer Truck Drivers  | 35,670                    | 39,159                    | 3,489        | 9.78%          | 349                    | 570                         | 919                   | 5         | 3               | 5            |
| 53-3033        | Light Truck or Delivery Services Drivers   | 5,962                     | 6,209                     | 247          | 4.14%          | 25                     | 95                          | 120                   | 7         | 3               | 5            |
| 53-3041        | Taxi Drivers and Chauffeurs  | 2,115                     | 2,480                     | 365          | 17.26%         | 36                     | 25                          | 61                    | 8         | 3               | 5            |
| 53-3099        | Motor Vehicle Operators, All Other   | 431                       | 471                       | 40           | 9.28%          | 4                      | 12                          | 16                    | 7         | 3               | 5            |
| 53-5000        | Water Transportation Workers   | 305                       | 333                       | 28           | 9.18%          | 3                      | 14                          | 17                    |           |                 |              |
| 53-5011        | Sailors and Marine Oilers  | 133                       | 145                       | 12           | 9.02%          | 1                      | 6                           | 7                     | 8         | 3               | 4            |
| 53-5021        | Captains, Mates, and Pilots of Water Vessels   | 148                       | 162                       | 14           | 9.46%          | 1                      | 7                           | 8                     | 3         | 3               | 6            |
| 53-6000        | Other Transportation Workers   | 2,337                     | 2,576                     | 239          | 10.23%         | 24                     | 76                          | 100                   |           |                 |              |
| 53-6011        | Bridge and Lock Tenders  | 74                        | 80                        | 6            | 8.11%          | 1                      | 3                           | 4                     | 7         | 3               | 5            |
| 53-6021        | Parking Lot Attendants   | 254                       | 278                       | 24           | 9.45%          | 2                      | 12                          | 14                    | 8         | 3               | 5            |

# 2012-2022 State of Arkansas Occupational Projections

| SOC Code | SOC Title  | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Growth Openings | Annual Replacement Openings | Total Annual Openings | Education | Work Experience | Job Training |
|----------|--|---------------------------|---------------------------|------------|----------------|------------------------|-----------------------------|-----------------------|-----------|-----------------|--------------|
| 53-6031  | Automotive and Watercraft Service Attendants           | 1,382                     | 1,548                     | 166        | 12.01%         | 17                     | 40                          | 57                    | 8         | 3               | 5            |
| 53-6061  | Transportation Attendants, Except Flight Attendants    | 97                        | 101                       | 4          | 4.12%          | 0                      | 2                           | 2                     | 7         | 3               | 5            |
| 53-6099  | Transportation Workers, All Other                      | 345                       | 378                       | 33         | 9.57%          | 3                      | 14                          | 17                    | 7         | 3               | 5            |
| 53-7000  | <i>Material Moving Workers</i>                         | 47,425                    | 49,816                    | 2,391      | 5.04%          | 275                    | 1,307                       | 1,582                 |           |                 |              |
| 53-7011  | Conveyor Operators and Tenders                         | 513                       | 516                       | 3          | 0.58%          | 0                      | 14                          | 14                    | 8         | 3               | 5            |
| 53-7021  | Crane and Tower Operators                              | 948                       | 1,090                     | 142        | 14.98%         | 14                     | 32                          | 46                    | 7         | 2               | 4            |
| 53-7032  | Excavating and Loading Machine and Dragline Operators  | 712                       | 747                       | 35         | 4.92%          | 4                      | 6                           | 10                    | 7         | 2               | 4            |
| 53-7041  | Hoist and Winch Operators                              | 52                        | 62                        | 10         | 19.23%         | 1                      | 2                           | 3                     | 8         | 3               | 5            |
| 53-7051  | Industrial Truck and Tractor Operators                 | 7,815                     | 7,452                     | -363       | -4.64%         | 0                      | 179                         | 179                   | 8         | 3               | 5            |
| 53-7061  | Cleaners of Vehicles and Equipment                     | 4,348                     | 4,617                     | 269        | 6.19%          | 27                     | 121                         | 148                   | 8         | 3               | 5            |
| 53-7062  | Laborers and Freight, Stock, and Material Movers, Hand | 22,948                    | 24,561                    | 1,613      | 7.03%          | 161                    | 711                         | 872                   | 8         | 3               | 5            |
| 53-7063  | Machine Feeders and Offbearers                         | 2,735                     | 2,904                     | 169        | 6.18%          | 17                     | 54                          | 71                    | 8         | 3               | 5            |
| 53-7064  | Packers and Packagers, Hand                            | 5,211                     | 5,493                     | 282        | 5.41%          | 28                     | 137                         | 165                   | 8         | 3               | 5            |
| 53-7071  | Gas Compressor and Gas Pumping Station Operators       | 43                        | 44                        | 1          | 2.33%          | 0                      | 2                           | 2                     | 8         | 3               | 4            |
| 53-7072  | Pump Operators, Except Wellhead Pumpers                | 57                        | 60                        | 3          | 5.26%          | 0                      | 2                           | 2                     | 8         | 3               | 4            |
| 53-7073  | Wellhead Pumpers                                       | 337                       | 372                       | 35         | 10.39%         | 4                      | 12                          | 16                    | 8         | 2               | 4            |
| 53-7081  | Refuse and Recyclable Material Collectors              | 1,505                     | 1,691                     | 186        | 12.36%         | 19                     | 31                          | 50                    | 8         | 3               | 5            |
| 53-7199  | Material Moving Workers, All Other                     | 127                       | 129                       | 2          | 1.57%          | 0                      | 4                           | 4                     | 8         | 3               | 5            |

## Introduction to New Education/Work Experience/Training Classification

The Bureau of Labor Statistics publishes information on occupational employment projections and related career information. This includes the education and training needs for each occupation. Under the old system, eleven categories were assigned ranging from Professional Degree to Short-Term On-the-Job Training. Each occupation was assigned a training that best matched the “most significant source” of education or training. In other words, the education or training assigned to the occupation is what most people used for entry into the occupation. However, what has been discovered over the last few years is that many occupations require more than just postsecondary education. Many require work experience and some require On-the-Job training in addition to formal training.

This is why the Bureau of Labor Statistics introduced a new education and training classification. The following tables provide a breakdown of the changes between the old and new systems. As you might see in the tables below, the new system now has three education/training classifications. The Education Category is the education that is typically needed to enter the occupation. Professional Degree and Doctoral Degree have merged, while most of the standard degrees have been retained. Three new categories have been added (Some College, No Degree, High School Diploma or Equivalent, and Less than High School). Work Experience and On-the-Job Training have been broken out into two separate categories. Work Experience ranges from None to More than 5 Years. Along with the three standard On-the-Job Training categories from the Old System (Long-Term, Moderate-Term, Short-Term), Internship/Residency and Apprenticeship have been added along with None. The following pages will provide the outlook for each of the three training classification categories.

## Education Outlook

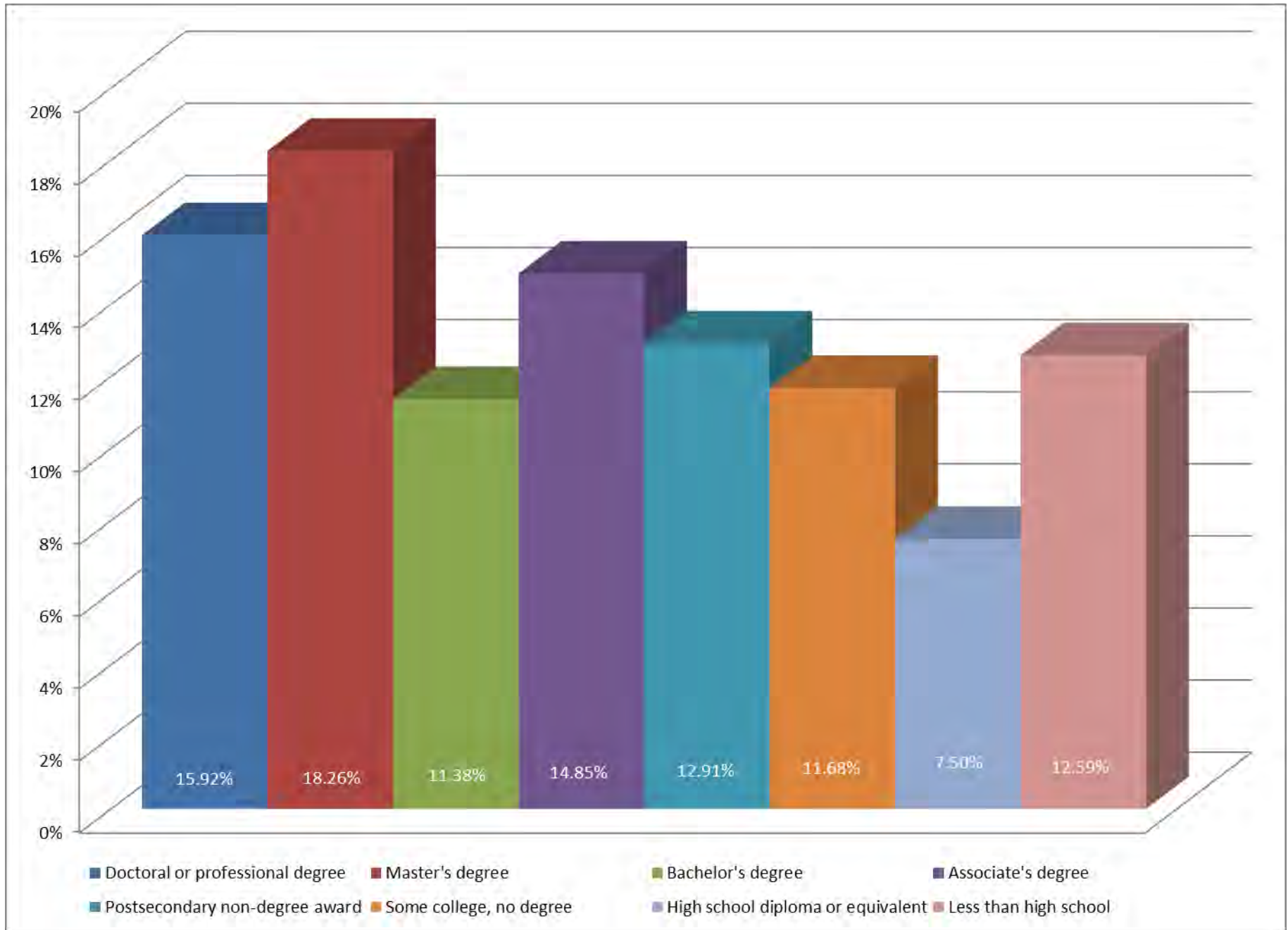
Occupations requiring a Bachelor's degree are likely to add 20,099 jobs during the projection period, but occupations that require a high school diploma or equivalent will have more annual job openings than any other education level, with 16,409 jobs expected each year. Jobs requiring postsecondary non-degree awards are estimated to add 13,161 jobs into the workforce. Job seekers with an Associate's degree could have 6,658 jobs available when they are ready to enter the workforce.

Jobs requiring a Master's degree could see the largest percent growth, with 18.26 percent growth over the 10-year period, with occupations requiring a doctoral or professional degree following close behind with a 15.92 percent growth expected.

### Occupational Projections by Education/Training Level

| Education Value                          | 2012<br>Estimated<br>Employment | 2022<br>Projected<br>Employment | Net<br>Growth | Percent<br>Growth | Annual<br>Openings<br>due to<br>Growth | Annual<br>Openings<br>due to<br>Replacement | Total<br>Annual<br>Openings |
|--|---------------------------------|---------------------------------|---------------|-------------------|--|---|-----------------------------|
| <b>Doctoral or professional degree</b>   | 28,125                          | 32,602                          | 4,477         | 15.92%            | 447                                    | 570   | 1,017                       |
| <b>Master's degree</b>                   | 18,717                          | 22,134                          | 3,417         | 18.26%            | 338                                    | 368   | 706                         |
| <b>Bachelor's degree</b>                 | 176,691                         | 196,790                         | 20,099        | 11.38%            | 2,019                                  | 3,756                                       | 5,775                       |
| <b>Associate's degree</b>                | 44,830                          | 51,488                          | 6,658         | 14.85%            | 678                                    | 912   | 1,590                       |
| <b>Postsecondary non-degree award</b>    | 101,905                         | 115,066                         | 13,161        | 12.91%            | 1,330                                  | 1,965                                       | 3,295                       |
| <b>Some college, no degree</b>           | 13,450                          | 15,021                          | 1,571         | 11.68%            | 157                                    | 283   | 440                         |
| <b>High school diploma or equivalent</b> | 563,338                         | 605,565                         | 42,227        | 7.50%             | 4,567                                  | 11,842                                      | 16,409                      |
| <b>Less than high school</b>             | 352,132                         | 396,469                         | 44,337        | 12.59%            | 4,509                                  | 10,156                                      | 14,665                      |

# Percent Growth by Education Level



## Top 10 Occupations/High School Diploma or Less

| SOC Code | SOC Title  | Annual Openings due to Growth | Annual Openings due to Replacement | Total Annual Openings |
|----------|--|-------------------------------|------------------------------------|-----------------------|
| 41-2031  | Retail Salespersons  | 350                           | 1,302                              | 1,652                 |
| 35-3021  | Combined Food Preparation and Serving Workers, Including Fast Food | 671                           | 863                                | 1,534                 |
| 41-2011  | Cashiers   | 139                           | 1,262                              | 1,401                 |
| 35-3031  | Waiters and Waitresses   | 346                           | 898                                | 1,244                 |
| 11-9013  | Farmers, Ranchers, and Other Agricultural Managers                 | 108                           | 842                                | 950                   |
| 53-7062  | Laborers and Freight, Stock, and Material Movers, Hand             | 161                           | 711                                | 872                   |
| 39-9021  | Personal Care Aides  | 705                           | 103                                | 808                   |
| 43-4051  | Customer Service Representatives                                   | 255                           | 495                                | 750                   |
| 43-9061  | Office Clerks, General   | 107                           | 619                                | 726                   |
| 37-2011  | Janitors and Cleaners, Except Maids and Housekeeping Cleaners      | 222                           | 395                                | 617                   |

## Top 10 Occupations/Associate's Degree/Vocational Training

| SOC Code | SOC Title  | Annual Openings due to Growth | Annual Openings due to Replacement | Total Annual Openings |
|----------|--|-------------------------------|------------------------------------|-----------------------|
| 53-3032  | Heavy and Tractor-Trailer Truck Drivers                    | 349                           | 570                                | 919                   |
| 29-1141  | Registered Nurses  | 344                           | 448                                | 792                   |
| 31-1014  | Nursing Assistants   | 291                           | 369                                | 660                   |
| 29-2061  | Licensed Practical and Licensed Vocational Nurses          | 251                           | 300                                | 551                   |
| 51-1011  | First-Line Supervisors of Production and Operating Workers | 40                            | 104                                | 144                   |
| 25-2011  | Preschool Teachers, Except Special Education               | 49                            | 82                                 | 131                   |
| 29-2041  | Emergency Medical Technicians and Paramedics               | 41                            | 59                                 | 100                   |
| 33-2011  | Firefighters   | 27                            | 73                                 | 100                   |
| 31-9091  | Dental Assistants  | 46                            | 51                                 | 97                    |
| 39-5012  | Hairdressers, Hairstylists, and Cosmetologists             | 36                            | 60                                 | 96                    |



## Top 10 Occupations/Bachelor's Degree or Higher

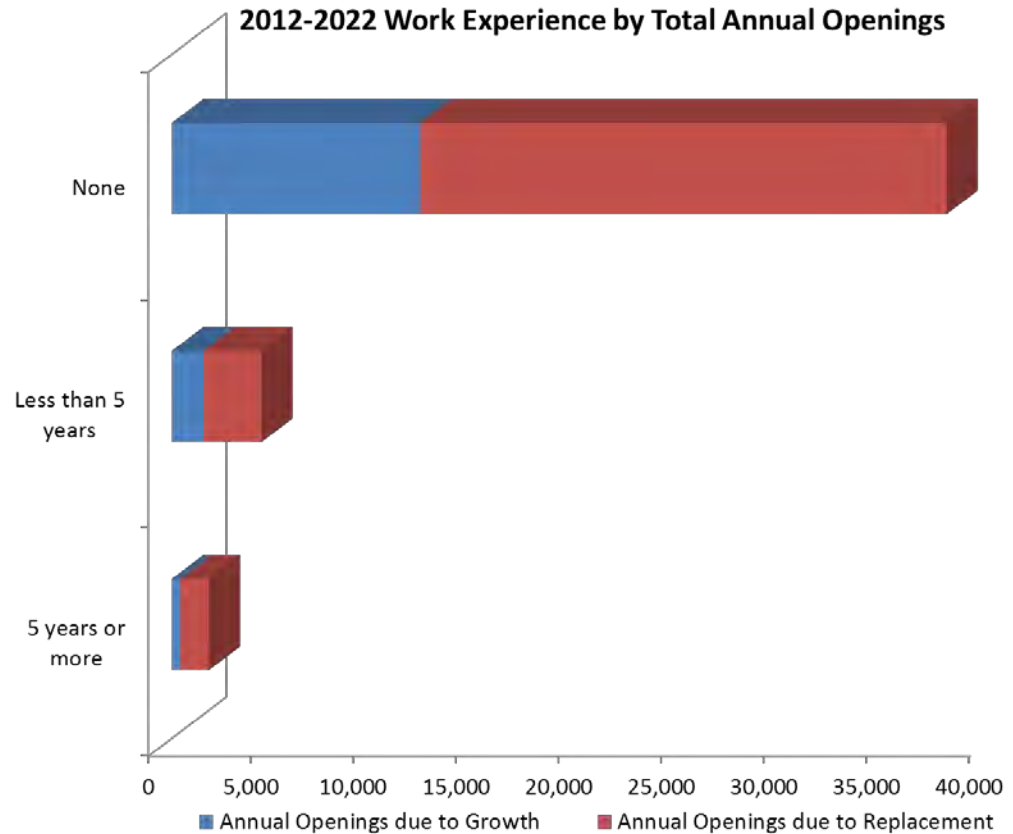
| <b>SOC Code</b> | <b>SOC Title</b>   | <b>Annual Openings due to Growth</b> | <b>Annual Openings due to Replacement</b> | <b>Total Annual Openings</b> |
|-----------------|--|--------------------------------------|---|------------------------------|
| 11-1021         | General and Operations Managers  | 166                                  | 311                                       | 477                          |
| 25-2021         | Elementary School Teachers, Except Special Education                     | 172                                  | 244                                       | 416                          |
| 13-2011         | Accountants and Auditors   | 90                                   | 226                                       | 316                          |
| 25-2031         | Secondary School Teachers, Except Special and Career/Technical Education | 76                                   | 240                                       | 316                          |
| 21-2011         | Clergy   | 105                                  | 151                                       | 256                          |
| 25-2022         | Middle School Teachers, Except Special and Career/Technical Education    | 96                                   | 136                                       | 232                          |
| 23-1011         | Lawyers  | 52                                   | 71  | 123                          |
| 25-3098         | Substitute Teachers  | 33                                   | 72  | 105                          |
| 29-1069         | Physicians and Surgeons, All Other                                       | 41                                   | 63  | 104                          |
| 11-9021         | Construction Managers  | 26                                   | 73  | 99                           |

# Work Experience Outlook

## 2012-2022 Occupational Projections by Work Experience

| Work Experience   | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Openings due to Growth | Annual Openings due to Replacement | Total Annual Openings |
|-------------------|---------------------------|---------------------------|------------|----------------|-------------------------------|------------------------------------|-----------------------|
| 5 years or more   | 82,529                    | 86,612                    | 4,083      | 4.95%          | 412                           | 1,396                              | 1,808                 |
| Less than 5 years | 134,138                   | 149,349                   | 15,211     | 11.34%         | 1,550                         | 2,815                              | 4,365                 |
| None              | 1,082,521                 | 1,199,174                 | 116,653    | 10.78%         | 12,083                        | 25,641                             | 37,724                |

Many occupations require experience beyond formal educational training, but most do not. Occupations requiring no experience beyond formal education are projected to add the most jobs, with an expected 116,653 jobs added over the 10-year period. These occupations are also expected to see 37,724 total annual job openings over the projection period. For occupations requiring less than 5 years of experience, 15,211 new jobs are expected over the projections period, with 4,365 total annual openings expected. Occupations with 5 years or more experience needed should see a net growth of 4,083 openings over the projection period, with 1,808 annual openings over the 10-year period.

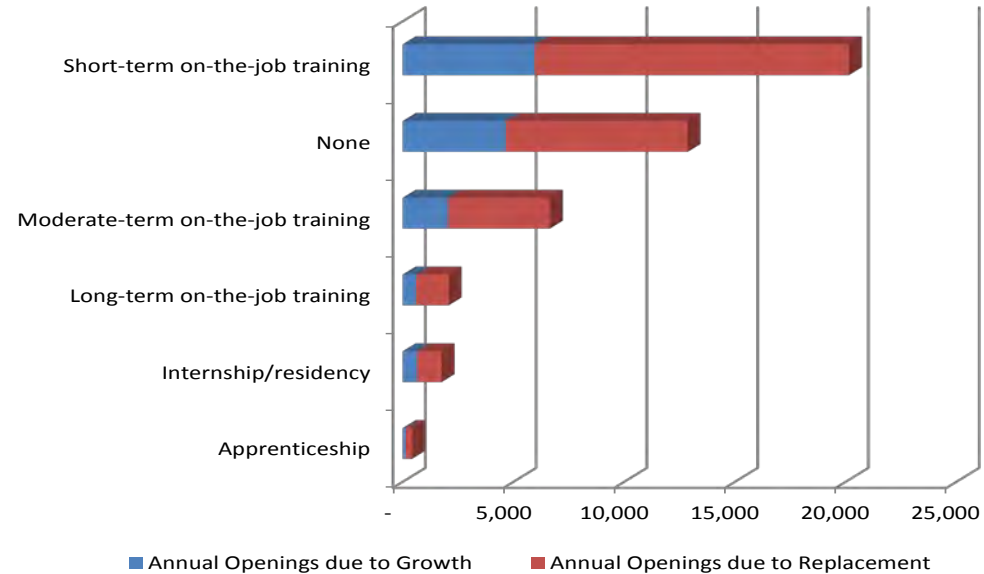


# On-the-Job Training Outlook

## 2012-2022 Occupational Projections by On-the-Job Training

| On-the-Job Training               | 2012 Estimated Employment | 2022 Projected Employment | Net Growth | Percent Growth | Annual Openings due to Growth | Annual Openings due to Replacement | Total Annual Openings |
|-----------------------------------|---------------------------|---------------------------|------------|----------------|-------------------------------|------------------------------------|-----------------------|
| Apprenticeship                    | 17,768                    | 19,132                    | 1,364      | 7.68%          | 136                           | 285                                | 421                   |
| Internship/residency              | 49,029                    | 55,512                    | 6,483      | 13.22%         | 646                           | 1,106                              | 1,752                 |
| Long-term on-the-job training     | 62,540                    | 68,393                    | 5,853      | 9.36%          | 602                           | 1,470                              | 2,072                 |
| Moderate-term on-the-job training | 221,144                   | 240,061                   | 18,917     | 8.55%          | 2,062                         | 4,581                              | 6,643                 |
| Short-term on-the-job training    | 544,996                   | 602,147                   | 57,151     | 10.49%         | 5,951                         | 14,196                             | 20,147                |
| None                              | 403,711                   | 449,890                   | 46,179     | 11.44%         | 4,648                         | 8,214                              | 12,862                |

Even with a formal education, many occupations require specialized on-the-job training before a person is fully viable in an occupation. All of the on-the-job training categories should see positive growth. Internship/Residency will see the largest percent growth of 13.22 percent, and should have 1,752 total annual openings. Occupations requiring short-term on-the-job training will see the largest net growth with 57,151 expected jobs over the projection period and should see the largest number of Total Annual Openings with 20,147 jobs expected.



# Top 15 Content Skills

| Skill                             | Total Annual Openings | Definition  |
|-----------------------------------|-----------------------|---|
| Speaking                          | 97,825                | Talking to others to convey information effectively.  |
| Active Listening                  | 89,721                | Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times. |
| Reading Comprehension             | 43,751                | Understanding written sentences and paragraphs in work related documents.   |
| Social Perceptiveness             | 35,631                | Being aware of others' reactions and understanding why they react as they do.   |
| Service Orientation               | 28,261                | Actively looking for ways to help people.   |
| Critical Thinking                 | 26,087                | Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.   |
| Instructing                       | 20,585                | Teaching others how to do something.  |
| Writing                           | 19,701                | Communicating effectively in writing as appropriate for the needs of the audience.  |
| Management of Personnel Resources | 15,925                | Motivating, developing, and directing people as they work, identifying the best people for the job  |
| Monitoring                        | 15,690                | Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.   |
| Coordination                      | 14,949                | Adjusting actions in relation to others' actions.   |
| Learning Strategies               | 14,824                | Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.   |
| Judgment and Decision Making      | 12,605                | Considering the relative costs and benefits of potential actions to choose the most appropriate one.  |
| Operation and Control             | 11,823                | Controlling operations of equipment or systems.   |
| Time Management                   | 9,187                 | Managing one's own time and the time of others.   |

# Top 15 Knowledge Domains

| Skill                         | Total Annual Openings | Definition   |
|-------------------------------|-----------------------|--|
| Customer and Personal Service | 170,606               | Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.                                |
| English Language              | 76,923                | Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.   |
| Psychology                    | 28,557                | Knowledge of human behavior and performance; individual differences in ability, personality, and interests; learning and motivation; psychological research methods; and the assessment and treatment of behavioral and affective disorders. |
| Administration and Management | 27,797                | Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.                           |
| Clerical                      | 25,646                | Knowledge of administrative and clerical procedures and systems such as word processing, managing files and records, stenography and transcription, designing forms, and other office procedures and terminology.                            |
| Medicine and Dentistry        | 24,481                | Knowledge of the information and techniques needed to diagnose and treat human injuries, diseases, and deformities. This includes symptoms, treatment alternatives, drug properties and interactions, and preventive health-care measures.   |
| Education and Training        | 23,050                | Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects.  |
| Personnel and Human Resources | 16,818                | Knowledge of principles and procedures for personnel recruitment, selection, training, compensation and benefits, labor relations and negotiation, and personnel information systems.  |
| Production and Processing     | 16,548                | Knowledge of raw materials, production processes, quality control, costs, and other techniques for maximizing the effective manufacture and distribution of goods.   |
| Sales and Marketing           | 16,336                | Knowledge of principles and methods for showing, promoting, and selling products or services. This includes marketing strategy and tactics, product demonstration, sales techniques, and sales control systems.                              |
| Mechanical                    | 16,315                | Knowledge of machines and tools, including their designs, uses, repair, and maintenance.   |
| Mathematics                   | 10,531                | Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.  |
| Building and Construction     | 10,348                | Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads.  |
| Public Safety and Security    | 10,040                | Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.                                     |
| Computers and Electronics     | 8,472                 | Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.  |

## Top 15 Work Activities

| Skill   | Total Annual Openings | Definition  |
|---|-----------------------|---|
| Getting Information   | 251,311               | Observing, receiving, and otherwise obtaining information from all relevant sources.  |
| Communicating with Supervisors, Peers, or Subordinates        | 202,567               | Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.   |
| Making Decisions and Solving Problems                         | 141,135               | Analyzing information and evaluating results to choose the best solution and solve problems   |
| Performing for or Working Directly with the Public            | 117,256               | Performing for people or dealing directly with the public. This includes serving customers in restaurants and stores, and receiving clients or guests.  |
| Interacting With Computers                                    | 108,305               | Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.  |
| Identifying Objects, Actions, and Events                      | 103,487               | Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.   |
| Establishing and Maintaining Interpersonal Relationships      | 93,008                | Developing constructive and cooperative working relationships with others, and maintaining them over time.  |
| Organizing, Planning, and Prioritizing Work                   | 92,203                | Developing specific goals and plans to prioritize, organize, and accomplish your work.  |
| Documenting/Recording Information                             | 85,298                | Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.  |
| Updating and Using Relevant Knowledge                         | 71,420                | Keeping up-to-date technically and applying new knowledge to your job.  |
| Assisting and Caring for Others                               | 70,758                | Providing personal assistance, medical attention, emotional support, or other personal care to others such as coworkers, customers, or patients.  |
| Evaluating Information to Determine Compliance with Standards | 59,150                | Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.  |
| Monitor Processes, Materials, or Surroundings                 | 57,887                | Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.  |
| Communicating with Persons Outside Organization               | 51,359                | Communicating with people outside the organization, representing the organization to customers, the public, government, and other external sources. This information can be exchanged in person, in writing, or by telephone or e-mail. |
| Inspecting Equipment, Structures, or Material                 | 49,519                | Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.  |

**Appendix: Definition of Education/Training Codes**

| <b>Education Code</b> | <b>Type of Education</b>          | <b>Definition</b>   |
|-----------------------|-----------------------------------|---|
| 1                     | Doctoral or Professional Degree   | Requires at least three years of full-time academic study beyond a bachelor's degree.   |
| 2                     | Master's Degree                   | Requires one or two years of full-time academic study beyond a bachelor's degree.   |
| 3                     | Bachelor's Degree                 | Requires four to five years of full-time academic study beyond high school.   |
| 4                     | Associate's Degree                | Requires at least two years of full-time academic study beyond high school.   |
| 5                     | 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.   |
| 6                     | 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. |
| 7                     | 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.                           |
| 8                     | Less than High School             | Signifies completion of any level of primary or secondary education that did not result in a high school diploma or equivalent.                         |

| <b>Job Training Code</b> | <b>Type of Training</b>           | <b>Definition</b>   |
|--------------------------|-----------------------------------|---|
| 1                        | Apprenticeship                    | Combination of on-the-job training and related classroom instruction in which workers learn the practical and theoretical aspects of an occupation. |
| 2                        | Internship/Residency              | Involves preparation in a field under supervision in a professional setting. Commonly results in a license upon completion.                         |
| 3                        | Long-term on-the-job training     | Requires twelve months of training or a combination of work experience and classroom instruction.   |
| 4                        | Moderate-term on-the-job training | Requires one to twelve months of a combination of work experience and classroom instruction.  |
| 5                        | Short-term on-the-job training    | Requires a short demonstration of job duties or one month or less of training or work experience.   |
| 6                        | None                              | No additional training or preparation required.   |

| <b>Work Experience Code</b> | <b>Amount of Work Experience</b> |
|-----------------------------|----------------------------------|
| 1                           | 5 years or more                  |
| 2                           | Less than 5 years                |
| 3                           | None                             |