



# Arkansas-Statewide

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## Short-Term Industry and Occupational Projections

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# 2015-2017

# ARKANSAS SHORT-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2015-2017



Asa Hutchinson, Governor  
State of Arkansas

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# ARKANSAS SHORT-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2015-2017

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## Definition 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.

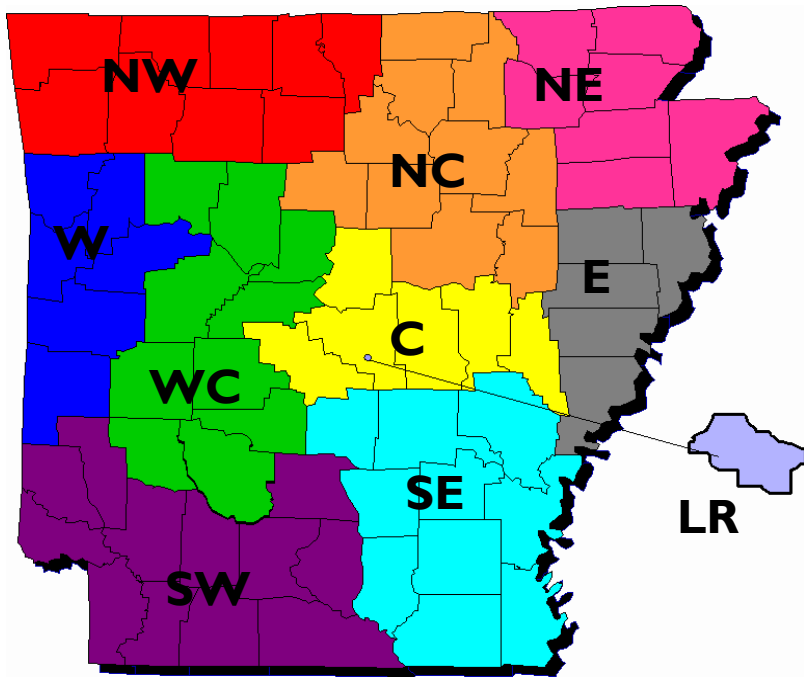
**Subsector** – A level of industry classification under sector according to the NAICS structure.

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

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# Local Workforce Development Areas



## Northwest Arkansas Workforce Development Area

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

## North Central Arkansas Workforce Development Area

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

## Northeast Arkansas Workforce Development Area

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

## Western Arkansas Workforce Development Area

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

## West Central Arkansas Workforce Development Area

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

## Central Arkansas Workforce Development Area

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

## City of Little Rock Workforce Development Area

Inside the City Limits of Little Rock

## Eastern Arkansas Workforce Development Area

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

## Southwest Arkansas Workforce Development Area

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

## Southeast Arkansas Workforce Development Area

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

## Introduction

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

Industries in this publication are classified by North American Industry Classification System (NAICS) codes. NAICS was created to bring consistency and comparability to the 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 occupational 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 is provided. Educational requirements are determined by the Bureau of Labor Statistics and recognize the educational attainment of most people in a particular occupation. Each occupation will have three categories: education, work experience, and training. Some businesses, however, may require a higher level of training. Some occupations may also have different grades or levels that require different levels of training. These various levels of training will not be reflected in this publication.

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.

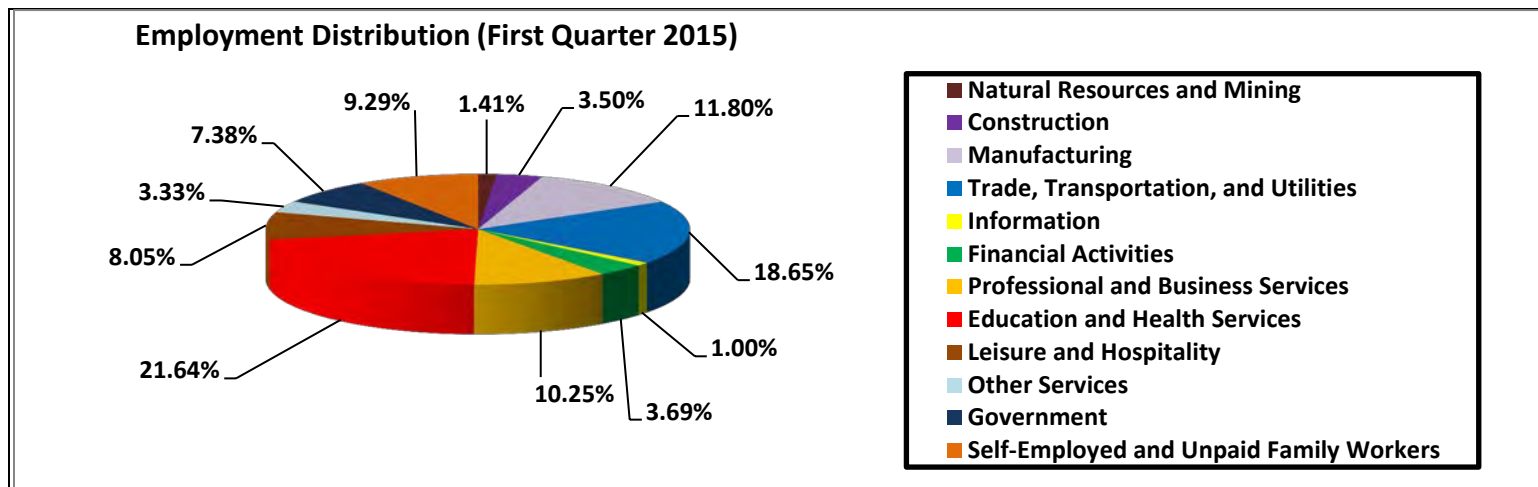
## State of Arkansas Profile

Arkansas has 75 counties and 10 Local Workforce Development Areas. There are also six Metropolitan Statistical Areas (MSAs). The MSAs are Little Rock/North Little Rock/Conway; Fayetteville/Springdale/Rogers, which includes McDonald County in Missouri; Pine Bluff; Hot Springs; Jonesboro; and Fort Smith, which includes Leflore and Sequoyah Counties in Oklahoma. Parts of two other MSAs are 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. There are 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's 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 students.

Arkansas's population based on the United States Census Bureau estimates was 2,978,204, as of July 1, 2015, which is an increase of 11,369 residents from the July 1, 2014 estimate of 2,966,835. The non-seasonally adjusted average unemployment rate for first quarter 2015 was 6.1 percent, while the seasonally adjusted number was 5.6 percent.





# Methodology

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

## Data Development

Data development is accomplished by using three sources:

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

*The Current Employment Statistics (CES) Survey.* This source provides employment information for non-covered establishments, which are railroads, the Federal Work Study Program, churches, religious-based schools, 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

A monthly time series is developed at the three- and four-digit NAICS level from the three sources listed above with a time period of January 1990 to March of the base year 2015. The industry projections in this publication were produced using the *Projections Suite* software, authorized by the U.S. Department of Labor and developed by the Utah Department of Workforce Services. The software has several components to deal with industry projections. First, it allows the analyst to choose from a list of national and state variables to determine a state leading index, which is a list of variables that when factored together, helps predict changes in the state employment figures. National economic variables are also provided. State variables are labor force data, such as civilian labor force and unemployment rate, major industry division (CES) totals, nonfarm employment, building permits, manufacturing hours, natural gas prices, air passenger data, and a composite index.

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

## Methodology

### 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 for the national projections matrix to establish state staffing patterns and is provided through the Estimates Delivery System (EDS). With SOC 2010 fully implemented, all occupations in this publication are of the 2010 structure.

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

### Data Limitations

The projections contained in this publication are estimates based on historical data. It is important not to rely on these projections as the actual employment numbers that will occur in 2017. While every attempt is made to incorporate current and near future events, such as business closings, corporate layoffs, openings, and expansions, it's not possible to know everything that might happen. Events that may take place after the projection period or announcements concerning closings, layoffs, openings, and expansions known after projections were completed are not reflected in the forecasts. Also, legislative policy could cause employment to change. Events such as these will likely cause the actual employment numbers to vary significantly from these projections.

It is important to look at both 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. When examining 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 PROJECTIONS DATA

## ARKANSAS-STATEWIDE

### 2015-2017

<b>NAICS Code</b>	<b>NAICS Title</b>	<b>2015 Estimated Employment</b>	<b>2017 Projected Employment</b>	<b>Net Growth</b>	<b>Percent Growth</b>
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 2015	The projected number of jobs expected to be in an industry in 2017	Total number of jobs an industry is expected to gain or lose over the 2015 to 2017 period	Percent change in the number of jobs in an industry over the 2015 to 2017 period

## 2015-2017 Arkansas Statewide Industry Projections by Major Division

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
<b>000000</b>	<b>TOTAL ALL INDUSTRIES</b>	<b>1,318,807</b>	<b>1,353,511</b>	<b>34,704</b>	<b>2.63%</b>
<b>000671</b>	<b>Total Self Employed and Unpaid Family Workers, All Jobs</b>	<b>122,579</b>	<b>125,435</b>	<b>2,856</b>	<b>2.33%</b>
006010	<i>Self Employed Workers, All Jobs</i>	117,423	120,302	2,879	2.45%
007010	<i>Unpaid Family Workers, All Jobs</i>	5,156	5,133	-23	-0.45%
101000	Goods Producing	220,411	225,257	4,846	2.20%
<b>101100</b>	<b>NATURAL RESOURCES AND MINING</b>	<b>18,645</b>	<b>17,896</b>	<b>-749</b>	<b>-4.02%</b>
110000	Agriculture, Forestry, Fishing and Hunting	12,076	12,122	46	0.38%
210000	Mining	6,569	5,774	-795	-12.10%
<b>101200</b>	<b>CONSTRUCTION</b>	<b>46,118</b>	<b>48,173</b>	<b>2,055</b>	<b>4.46%</b>
<b>101300</b>	<b>MANUFACTURING</b>	<b>155,648</b>	<b>159,188</b>	<b>3,540</b>	<b>2.27%</b>
	<i>Non-Durable Goods Manufacturing</i>	<b>78,639</b>	<b>80,457</b>	<b>1,818</b>	<b>2.31%</b>
	<i>Durable Goods Manufacturing</i>	<b>77,009</b>	<b>78,731</b>	<b>1,722</b>	<b>2.24%</b>
102000	Services Providing	975,817	1,002,819	27,002	2.77%
<b>102100</b>	<b>TRADE, TRANSPORTATION, AND UTILITIES</b>	<b>245,928</b>	<b>254,064</b>	<b>8,136</b>	<b>3.31%</b>
420000	Wholesale Trade	46,664	48,267	1,603	3.44%
440000	Retail Trade	136,692	141,722	5,030	3.68%
480000	Transportation and Warehousing	54,706	56,372	1,666	3.05%
220000	Utilities	7,866	7,703	-163	-2.07%
<b>102200</b>	<b>INFORMATION</b>	<b>13,247</b>	<b>12,907</b>	<b>-340</b>	<b>-2.57%</b>
<b>102300</b>	<b>FINANCIAL ACTIVITIES</b>	<b>48,618</b>	<b>48,922</b>	<b>304</b>	<b>0.63%</b>
520000	Finance and Insurance	35,763	35,819	56	0.16%
530000	Real Estate and Rental and Leasing	12,855	13,103	248	1.93%
<b>102400</b>	<b>PROFESSIONAL AND BUSINESS SERVICES</b>	<b>135,145</b>	<b>142,597</b>	<b>7,452</b>	<b>5.51%</b>
540000	Professional, Scientific, and Technical Services	41,663	43,427	1,764	4.23%
550000	Management of Companies and Enterprises	32,336	34,114	1,778	5.50%
560000	Administrative and Support and Waste Management and Remediation Services	61,146	65,056	3,910	6.39%
<b>102500</b>	<b>EDUCATION AND HEALTH SERVICES</b>	<b>285,332</b>	<b>291,287</b>	<b>5,955</b>	<b>2.09%</b>
610000	Educational Services	114,722	115,613	891	0.78%
620000	Health Care and Social Assistance	170,610	175,674	5,064	2.97%
<b>102600</b>	<b>LEISURE AND HOSPITALITY</b>	<b>106,201</b>	<b>109,930</b>	<b>3,729</b>	<b>3.51%</b>
710000	Arts, Entertainment, and Recreation	9,336	9,605	269	2.88%
720000	Accommodation and Food Services	96,865	100,325	3,460	3.57%
<b>102700</b>	<b>OTHER SERVICES (EXCEPT GOVERNMENT)</b>	<b>43,967</b>	<b>44,694</b>	<b>727</b>	<b>1.65%</b>
<b>102800</b>	<b>GOVERNMENT</b>	<b>97,379</b>	<b>98,418</b>	<b>1,039</b>	<b>1.07%</b>

# Industry Outlook

Between first quarter 2014 and first quarter 2015, an increase of 19,782 jobs was seen in the Arkansas economy, which translates to a 1.74 percent increase in jobs and solidly above 2009 recession levels. The job market is expected to continue its growth with an increase of 34,704 jobs, equivalent to a 2.63 percent rise in employment by 2017. Goods-Producing Industries are estimated to see a net gain of 4,846 jobs, while the Services-Providing Industries are forecast to increase employment by 27,002. Arkansas' self-employed ranks are estimated to experience a net gain of 2,856, an increase of 2.33 percent.

## Natural Resources and Mining

Employment in **Natural Resources and Mining** is expected to fall by 749 jobs, or 4.02 percent. The significant source of the decline is in the **Mining** sector, which is expected to lose 795 jobs, or 12.10 percent of its workforce. A significant drop in investment in Fayetteville Shale natural gas activities is a major contributor to this loss. *Support Activities for Mining* could be the major contributor to the loss with 452 jobs projected to be cut, placing as the top declining industry in the state. *Oil and Gas Extraction* is predicted to lose 251. These two industries have lost 162 jobs between first quarter 2014 and first quarter 2015. The

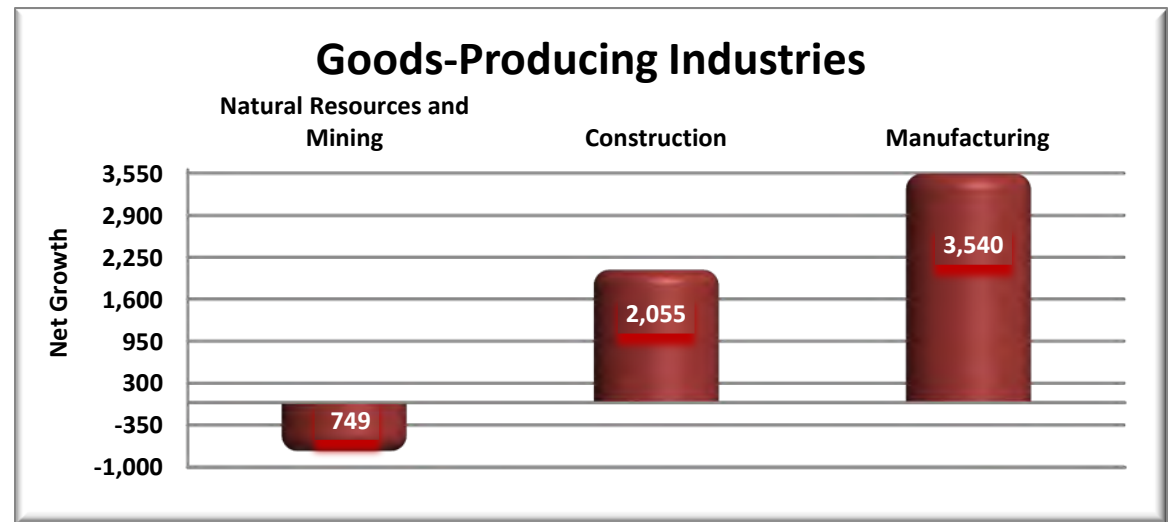
**Agriculture, Forestry, Fishing and Hunting** sector is projected to soften the loss some with a gain of 46 jobs. Both *Crop Production* and *Animal Production* are estimated to see small gains of 17 and 138 jobs, respectively.

## Construction

**Construction** is expected to grow by 2,055 jobs between 2015 and 2017. Its growth of 4.46 percent is highest among Goods-Producing Industries. The *Specialty Trade Contractors* subsector is estimated to gain 1,752 jobs during the projection period, while the *Construction of Buildings* subsector is predicted to gain 519 jobs. Building Equipment Contractors could account for 1,028 of those jobs, placing seventh in the Top 20 Growing Industries list. The *Heavy and Civil Engineering Construction* subsector is, however, anticipated to be the low point in **Construction** with a loss of 216 jobs on the horizon. Utility System Construction could take the majority of the loss, losing 141 jobs through March 2017.

## Non-Durable Goods Manufacturing

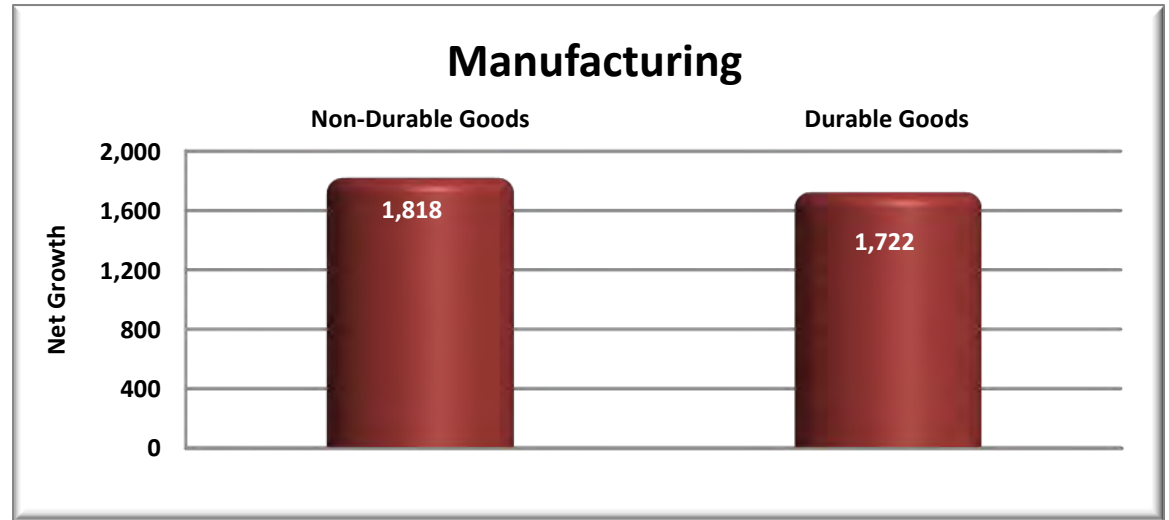
**Non-Durable Goods Manufacturing** is projected to experience a net gain of 1,818 jobs. *Food Manufacturing* is estimated to have the brightest outlook among the subsectors with a gain of 1,236 jobs, or about 68 percent of the growth in **Non-Durable Goods Manufacturing**. Animal Slaughtering and Processing could see strong growth in the next two years with an anticipated increase of 1,225, placing it sixth among the top 10 on the Top 20 Growing Industries list. The *Plastics and Rubber Products Manufacturing* subsector is estimated to add 293 jobs to its workforce. Fruit and Vegetable Preserving and Specialty Food Manufacturing is estimated to lose 345, placing it sixth on the Top 20 Declining occupations list.



*Apparel Manufacturing* is also expected to gain jobs and be the fastest growing among the subsectors in **Non-Durable Goods Manufacturing** with a gain of 12.47 percent. On the negative side of the job market, *Printing and Related Support Activities* could see a net loss of 96 jobs, or 2.39 percent of its workforce. Pulp, Paper, and Paperboard Mills, of the *Paper Manufacturing* subsector, is estimated to lose 166 jobs, or 4.12 percent of its workforce, placing among the top 10 of the Top 20 Declining industries list. The *Leather and Allied Product Manufacturing* subsector is estimated to lose 8.12 percent of its workforce.

### **Durable Goods Manufacturing**

A net gain of 1,722 jobs is estimated to occur in **Durable Goods Manufacturing**. The outlook for this part of the labor market is mixed with both gains and losses. The brightest outlook could come in *Transportation Equipment Manufacturing* with a gain of 1,093 jobs. *Machinery Manufacturing* is expected to add 333 jobs. Forging and Stamping is forecast to be the second fastest growing industry increasing employment by 27.30 percent. Iron and Steel Mills and Ferroalloy Manufacturing places fourth in the Top 20 Fastest Growing Industries list with a 22.09 percent increase in jobs. On the negative side of the economy, *Furniture and Related Product Manufacturing* could lose 345 jobs, or 10.33 percent of its workforce. Household and Institutional Furniture & Kitchen Cabinet Manufacturing drives this decline with a loss of 209. Cutlery and Handtool Manufacturing is estimated to lose 40 percent of its workforce between 2015 and 2017, making it the fastest declining industry in the state. In all, six industries in Durable Goods Manufacturing make the Top 20 Fastest Declining Industries list.



### **Wholesale Trade**

The **Wholesale Trade** sector is projected to have a net gain of 1,603 jobs. *Merchant Wholesalers, Durable Goods* is forecast to increase by 816 jobs, while *Merchant Wholesalers, Nondurable Goods* is estimated to experience a growth of 68. *Wholesale Electronic Markets and Agents and Brokers* is predicted to add 719 jobs to the Arkansas labor market. Machinery, Equipment, and Supplies Merchant Wholesalers is predicted to add 252 jobs to the labor market. On the negative side of the economy, Grocery and Related Product Wholesalers is estimated to lose 143 jobs, or 3.40 percent of its workforce.

### **Retail Trade**

**Retail Trade** is projected to add 5,030 new jobs to the Arkansas labor market, more than 60 percent of the job growth in **Trade, Transportation, and Utilities**. *General Merchandise Stores* is projected to add the most jobs with 1,750 new jobs anticipated. Other General Merchandise Stores leads the **Retail Trade** sector in net growth and is fourth in the state with an anticipated growth of 1,513 jobs. *Motor Vehicle and Parts Dealers* is forecast to add 902 to its workforce. Also, a driving factor in the state's **Retail Trade** growth is two major retail developments. Every industry family in **Retail Trade** is expected to experience growth except for *Nonstore Retailers*, which is estimated to see a net decline of 27.

## Transportation and Warehousing

The **Transportation and Warehousing** sector is predicted to have a net gain of 1,666 jobs over the projection period. *Truck Transportation* is projected to add 760 new jobs to the labor market. Leading all industries in **Transportation and Warehousing** is General Freight Trucking with a gain of 631 making the Top 20 Growing Industries list. *Support Activities for Transportation* is projected to add 641 jobs between first quarter 2015 and first quarter 2017. Driving this growth is Support Activities for Rail Transportation, which is estimated to increase its workforce by 69.60 percent, making it the fastest growing industry in the state. In all, four of the six industries in *Support Activities for Transportation* made the Top 20 Fastest Growing Industries list. *Pipeline Transportation* is estimated to lose 137 jobs, or 25.42 percent of its workforce with a significant cut in natural gas related services.

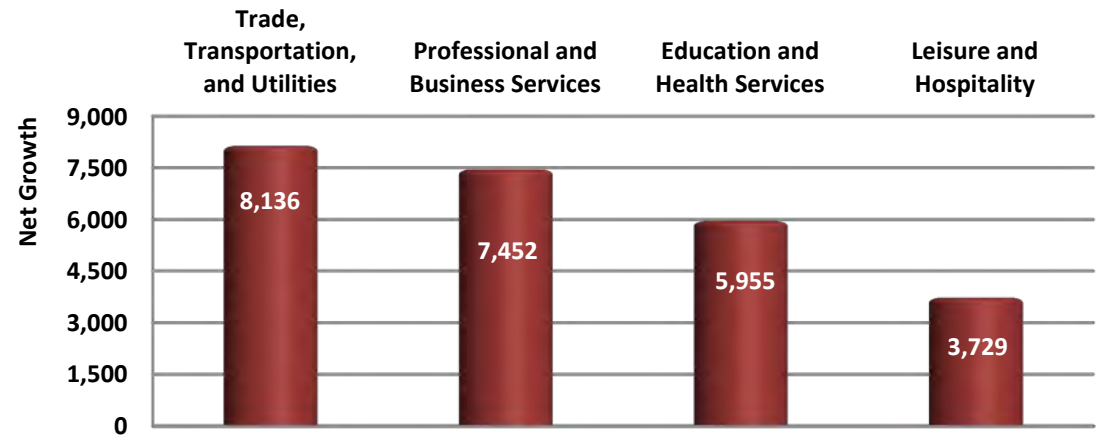
## Utilities

The **Utilities** sector could see a drop in employment by March 2017 with a loss of 163 jobs, or 2.07 percent of its workforce. Electric Power Generation, Transmission and Distribution is estimated to take the brunt of the loss with a decline of 118, while Water, Sewage and Other Systems could add 50 new jobs to its workforce.

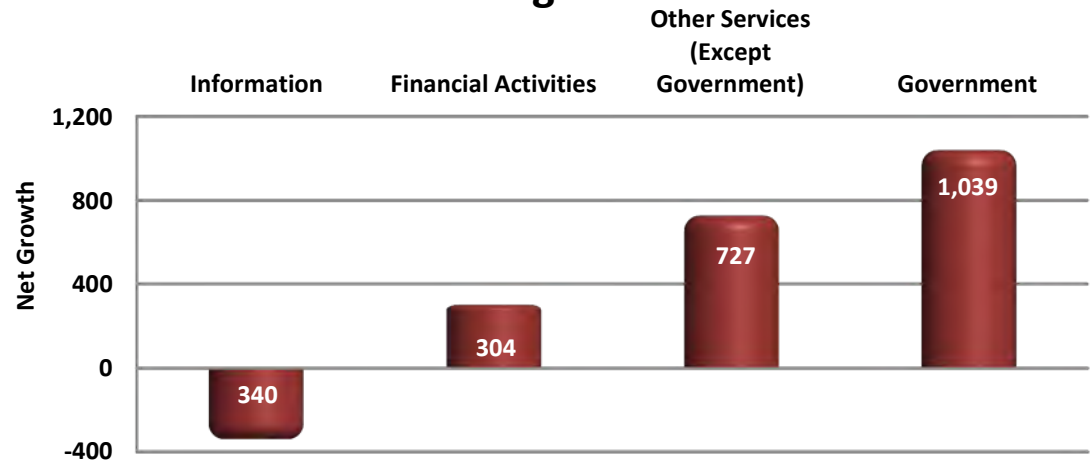
## Information

**Information** is expected to be one of two supersectors to experience a net loss of jobs, losing 340 jobs by the first quarter of 2017. *Telecommunications* is expected to lose 203 jobs as more people buy new phones and services online, rather than going to stores, even while new stores are occasionally popping up. *Publishing Industries (except Internet)* is expected to have a net loss of 148. Newspaper, Periodical, Book, and Directory Publishers is expected to lose 163 jobs. The bright spot in this supersector comes in *Data Processing, Hosting and Related Services* with a gain of 75 new jobs.

### Services-Providing Industries-Chart 1



### Services-Providing Industries-Chart 2



### **Finance and Insurance**

The **Finance and Insurance** sector is predicted to experience a net gain of 56 jobs between 2015 and 2017. *Insurance Carriers and Related Activities* could see a rise in employment over the 2015-2017 period with 334 new jobs. Increasing requirements under the Affordable Care Act may play a role in this increase. On the flip side, *Credit Intermediation and Related Activities* is expected to see a net loss of 411 jobs. The industry family has lost close to 16.5 percent of its workforce from its peak in June 2007. Depository Credit Intermediation, with a projected loss of 446, is second among the Top 20 Declining Industries list. *Securities, Commodity Contracts, and Other Financial Investments and Related Activities* could gain an additional 134 jobs to its workforce over the next two years.

### **Real Estate and Rental and Leasing**

The **Real Estate and Rental and Leasing** sector is expected to see a net gain of 248 jobs during the projection period. The *Real Estate* subsector is predicted to dominate the growth in the sector adding 353 new jobs to its workforce, while the *Rental and Leasing Services* subsector is predicted to lose 108 jobs. Activities Related to Real Estate is estimated to be the top growing industry in the sector with 174 new jobs, while Commercial and Industrial Machinery and Equipment Rental and Leasing is expected to lose the most jobs with 103 projected to be lost making the Top 20 Declining Industries list and the Top 20 Fastest Declining Industries list at 9.39 percent

### **Professional, Scientific, and Technical Services**

The **Professional, Scientific, and Technical Services** sector is predicted to add 7,452 new jobs, an increase of 5.51 percent. Computer Systems Design and Related Services is estimated to lead the sector in growth with 809 new jobs placing it among the top 10 growing industries in the state. In all, five industries in this sector are estimated to grow by at least 190 jobs between 2015 and 2017. Architectural, Engineering, and Related Services is predicted to lose 64 jobs, or just over one percent of its workforce.

### **Management of Companies and Enterprises**

Between first quarter 2014 and first quarter 2015, the **Management of Companies and Enterprises** sector experienced a growth of 429 new jobs. The industry is estimated to continue strong growth during the projection period with 1,778 new jobs, placing it second in the Top 20 Growing Industries list as companies look to Arkansas as a place to build their headquarters.

### **Administrative and Support and Waste Management and Remediation Services**

The **Administrative and Support and Waste Management and Remediation Services** sector is projected to account for 3,910 new jobs, a 6.39 percent increase during the projection period making it the fastest growing industry sector in the state. The majority of the job growth is likely to come in the *Administrative and Support Services* subsector, which is estimated to add 3,682 new jobs. Two industries within this subsector are forecast to be among the top ten growing industries in the state. Employment Services is expected to be fifth in the state in net growth with 1,371 new jobs, while Services to Buildings and Dwellings is likely to add 875 to its workforce, tenth in the state. *Waste Management and Remediation Services* is predicted to have a gain of 228 jobs between 2015 and 2017.

### **Educational Services**

The **Educational Services** sector is predicted to experience a net gain of 891 jobs during the projection period. Colleges, Universities, and Professional Schools is estimated to add 725 jobs during the projection period, about 81.37 percent of the sector's growth. Elementary and



Secondary Schools, which has seen declines in recent years, could see a slight turnaround with a gain of 67. Business Schools and Computer and Management Training could lose 9.78 percent of its workforce and be among the 10 fastest declining industries in the state.

### **Health Care and Social Assistance**

The **Health Care and Social Assistance** sector is projected to add 5,064 jobs, making it the top growing industry sector in the state and almost 85 percent of the growth in **Education and Health Services**. The *Ambulatory Health Care Services* subsector is estimated to add 2,352 jobs to the Arkansas labor market, while *Hospitals* are predicted to add 630 to its workforce. Offices of Physicians is estimated to add 964 new jobs placing it among the top 10 on the Top 20 Growing Industries list. The *Social Assistance* subsector is projected to have a net gain of 2,023 jobs. Individual and Family Services leads all industries in **Health Care and Social Assistance** with an anticipated growth of 1,588 jobs, making it third in net growth in Arkansas. One downside in this sector is that Nursing Care Facilities (Skilled Nursing Facilities) is predicted to lose 361 jobs. This however, is almost masked by gains in Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly with a gain of 345.

### **Arts, Entertainment, and Recreation**

The **Arts, Entertainment, and Recreation** sector is projected to experience a net gain of 269 jobs. More than 71 percent of the growth is likely to come in *Amusement, Gambling, and Recreation Industries*, which is projected to gain 193 jobs between 2015 and 2017, while *Performing Arts, Spectator Sports, and Related Industries* is predicted to have a net gain of 38 jobs. Performing Arts Companies is predicted to lose 11.67 percent of its workforce, while Promoters of Performing Arts, Sports, and Similar Events could stabilize the industry family by gaining 11.78 percent to its own workforce.

### **Accommodation and Food Services**

The **Accommodation and Food Services** sector will likely see most of the growth that is projected to occur in the **Leisure and Hospitality** supersector with an increase of 3,460 jobs. The *Food Services and Drinking Places* subsector will likely drive the growth with a net gain of 3,326 jobs. Restaurants and Other Eating Places is projected to be the top growing industry in the state with a gain of 2,903 jobs. *Accommodation, including Hotels and Motels* could gain an additional 134 jobs during the projection period.

### **Other Services (Except Government)**

The **Other Services (Except Government)** supersector is expected to experience a net gain of 727 jobs between 2015 and 2017. *Religious, Grantmaking, Civic, Professional, and Similar Organizations* is predicted to experience a net gain of 571 jobs, while *Repair and Maintenance* is projected to see a net gain of 240 jobs. Religious Organizations is the top growing industry in **Other Services (Except Government)** with an anticipated 605 new jobs. Drycleaning and Laundry Services is estimated to lose 118 jobs, while Business, Professional, Labor, Political, and Similar Organizations is forecast to lose 110 jobs.

### **Government**

The **Government** supersector is projected to see a net gain of 1,039 jobs during the projection period. Local Government, Excluding Education and Hospitals is predicted to have the brightest outlook with 703 new jobs, while State Government, Excluding Education and Hospitals could add 642. Federal Government, Excluding Post Office could see a loss of 385 jobs during the projection period, while Postal Service could see a slight upturn with 79 jobs being added.

## Top 20 Growing Industries by Net Growth

NAICS Code	NAICS Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
722500	Restaurants and Other Eating Places	81,816	84,719	<b>2,903</b>	3.55%
551000	Management of Companies and Enterprises	32,336	34,114	<b>1,778</b>	5.50%
624100	Individual and Family Services	23,248	24,836	<b>1,588</b>	6.83%
452900	Other General Merchandise Stores	30,823	32,336	<b>1,513</b>	4.91%
561300	Employment Services	25,229	26,600	<b>1,371</b>	5.43%
311600	Animal Slaughtering and Processing	29,175	30,400	<b>1,225</b>	4.20%
238200	Building Equipment Contractors	15,735	16,763	<b>1,028</b>	6.53%
621100	Offices of Physicians	22,784	23,748	<b>964</b>	4.23%
561700	Services to Buildings and Dwellings	13,831	14,706	<b>875</b>	6.33%
541500	Computer Systems Design and Related Services	9,850	10,659	<b>809</b>	8.21%
611300	Colleges, Universities, and Professional Schools	26,159	26,884	<b>725</b>	2.77%
425000	Wholesale Electronic Markets and Agents and Brokers	10,667	11,386	<b>719</b>	6.74%
999300	Local Government, Excluding Education and Hospitals	39,617	40,320	<b>703</b>	1.77%
441100	Automobile Dealers	11,370	12,062	<b>692</b>	6.09%
999200	State Government, Excluding Education and Hospitals	37,456	38,098	<b>642</b>	1.71%
484100	General Freight Trucking	25,940	26,571	<b>631</b>	2.43%
622100	General Medical and Surgical Hospitals	46,810	47,429	<b>619</b>	1.32%
561100	Office Administrative Services	4,154	4,769	<b>615</b>	14.81%
813100	Religious Organizations	19,891	20,496	<b>605</b>	3.04%
561400	Business Support Services	8,248	8,834	<b>586</b>	7.10%

## Top 20 Fastest Growing Industries by Percent Growth (50 Minimum Employment)

<b>NAICS Code</b>	<b>NAICS Title</b>	<b>2015 Estimated Employment</b>	<b>2017 Projected Employment</b>	<b>Net Growth</b>	<b>Percent Growth</b>
488200	Support Activities for Rail Transportation	477	809	332	<b>69.60%</b>
332100	Forging and Stamping	359	457	98	<b>27.30%</b>
488900	Other Support Activities for Transportation	88	108	20	<b>22.73%</b>
331100	Iron and Steel Mills and Ferroalloy Manufacturing	2,535	3,095	560	<b>22.09%</b>
315100	Apparel Knitting Mills	610	727	117	<b>19.18%</b>
325400	Pharmaceutical and Medicine Manufacturing	299	353	54	<b>18.06%</b>
481200	Nonscheduled Air Transportation	74	87	13	<b>17.57%</b>
453300	Used Merchandise Stores	1,937	2,253	316	<b>16.31%</b>
561100	Office Administrative Services	4,154	4,769	615	<b>14.81%</b>
488400	Support Activities for Road Transportation	732	840	108	<b>14.75%</b>
327400	Lime and Gypsum Product Manufacturing	275	313	38	<b>13.82%</b>
722300	Special Food Services	3,537	4,006	469	<b>13.26%</b>
488500	Freight Transportation Arrangement	1,880	2,108	228	<b>12.13%</b>
711300	Promoters of Performing Arts, Sports, and Similar Events	518	579	61	<b>11.78%</b>
562200	Waste Treatment and Disposal	822	913	91	<b>11.07%</b>
441200	Other Motor Vehicle Dealers	1,479	1,631	152	<b>10.28%</b>
238300	Building Finishing Contractors	3,736	4,119	383	<b>10.25%</b>
423600	Household Appliances & Electrical and Electronic Goods Merchant Wholesalers	1,875	2,060	185	<b>9.87%</b>
623300	Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly	3,528	3,873	345	<b>9.78%</b>
813200	Grantmaking and Giving Services	564	617	53	<b>9.40%</b>

## Top 20 Declining Industries by Net Growth

NAICS Code	NAICS Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
213000	Support Activities for Mining	3,456	3,004	-452	-13.08%
522100	Depository Credit Intermediation	16,044	15,598	-446	-2.78%
999100	Federal Government, Excluding Post Office	14,911	14,526	-385	-2.58%
623100	Nursing Care Facilities (Skilled Nursing Facilities)	21,738	21,377	-361	-1.66%
331500	Foundries	2,106	1,758	-348	-16.52%
311400	Fruit and Vegetable Preserving and Specialty Food Manufacturing	4,398	4,053	-345	-7.84%
211000	Oil and Gas Extraction	1,418	1,167	-251	-17.70%
332200	Cutlery and Handtool Manufacturing	625	375	-250	-40.00%
337100	Household and Institutional Furniture & Kitchen Cabinet Manufacturing	2,319	2,110	-209	-9.01%
322100	Pulp, Paper, and Paperboard Mills	4,032	3,866	-166	-4.12%
511100	Newspaper, Periodical, Book, and Directory Publishers	3,038	2,875	-163	-5.37%
511000	Publishing Industries (except Internet)	3,355	3,207	-148	-4.41%
424400	Grocery and Related Product Wholesalers	4,211	4,068	-143	-3.40%
237100	Utility System Construction	4,280	4,139	-141	-3.29%
337200	Office Furniture (including Fixtures) Manufacturing	912	781	-131	-14.36%
812300	Drycleaning and Laundry Services	2,386	2,268	-118	-4.95%
221100	Electric Power Generation, Transmission and Distribution	5,553	5,435	-118	-2.12%
813900	Business, Professional, Labor, Political, and Similar Organizations	2,483	2,373	-110	-4.43%
339900	Other Miscellaneous Manufacturing	1,701	1,596	-105	-6.17%
532400	Commercial and Industrial Machinery and Equipment Rental and Leasing	1,097	994	-103	-9.39%

## Top 20 Fastest Declining Industries by Percent Growth (Net Growth No Greater than -5)

NAICS Code	NAICS Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
332200	Cutlery and Handtool Manufacturing	625	375	-250	<b>-40.00%</b>
211000	Oil and Gas Extraction	1,418	1,167	-251	<b>-17.70%</b>
331500	Foundries	2,106	1,758	-348	<b>-16.52%</b>
337200	Office Furniture (including Fixtures) Manufacturing	912	781	-131	<b>-14.36%</b>
213000	Support Activities for Mining	3,456	3,004	-452	<b>-13.08%</b>
711100	Performing Arts Companies	360	318	-42	<b>-11.67%</b>
237200	Land Subdivision	127	114	-13	<b>-10.24%</b>
611400	Business Schools and Computer and Management Training	92	83	-9	<b>-9.78%</b>
519000	Other Information Services	299	270	-29	<b>-9.70%</b>
532400	Commercial and Industrial Machinery and Equipment Rental and Leasing	1,097	994	-103	<b>-9.39%</b>
541400	Specialized Design Services	413	375	-38	<b>-9.20%</b>
337100	Household and Institutional Furniture & Kitchen Cabinet Manufacturing	2,319	2,110	-209	<b>-9.01%</b>
315200	Cut and Sew Apparel Manufacturing	154	141	-13	<b>-8.44%</b>
488100	Support Activities for Air Transportation	1,142	1,046	-96	<b>-8.41%</b>
311400	Fruit and Vegetable Preserving and Specialty Food Manufacturing	4,398	4,053	-345	<b>-7.84%</b>
237900	Other Heavy and Civil Engineering Construction	517	477	-40	<b>-7.74%</b>
331400	Nonferrous Metal (except Aluminum) Production and Processing	509	470	-39	<b>-7.66%</b>
332600	Spring and Wire Product Manufacturing	400	371	-29	<b>-7.25%</b>
561200	Facilities Support Services	209	194	-15	<b>-7.18%</b>
221200	Natural Gas Distribution	1,384	1,289	-95	<b>-6.86%</b>

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
<b>000000</b>	<b>TOTAL ALL INDUSTRIES</b>	<b>1,318,807</b>	<b>1,353,511</b>	<b>34,704</b>	<b>2.63%</b>
<b>000671</b>	<b>Total Self Employed and Unpaid Family Workers, All Jobs</b>	<b>122,579</b>	<b>125,435</b>	<b>2,856</b>	<b>2.33%</b>
006010	<i>Self Employed Workers, All Jobs</i>	117,423	120,302	2,879	2.45%
007010	<i>Unpaid Family Workers, All Jobs</i>	5,156	5,133	-23	-0.45%
101000	Goods Producing	220,411	225,257	4,846	2.20%
<b>101100</b>	<b>NATURAL RESOURCES AND MINING</b>	<b>18,645</b>	<b>17,896</b>	<b>-749</b>	<b>-4.02%</b>
<b>110000</b>	<b><i>Agriculture, Forestry, Fishing and Hunting</i></b>	<b>12,076</b>	<b>12,122</b>	<b>46</b>	<b>0.38%</b>
111000	<i>Crop Production</i>	3,883	3,900	17	0.44%
112000	<i>Animal Production</i>	3,068	3,206	138	4.50%
113000	<i>Forestry and Logging</i>	2,244	2,164	-80	-3.57%
113132	Forestry	202	212	10	4.95%
113300	Logging	2,042	1,952	-90	-4.41%
114000	<i>Fishing, Hunting and Trapping</i>	24	25	1	4.17%
115000	<i>Support Activities for Agriculture and Forestry</i>	2,857	2,827	-30	-1.05%
<b>210000</b>	<b><i>Mining</i></b>	<b>6,569</b>	<b>5,774</b>	<b>-795</b>	<b>-12.10%</b>
211000	<i>Oil and Gas Extraction</i>	1,418	1,167	-251	-17.70%
212000	<i>Mining (except Oil and Gas)</i>	1,695	1,603	-92	-5.43%
213000	<i>Support Activities for Mining</i>	3,456	3,004	-452	-13.08%
<b>230000</b>	<b><i>Construction</i></b>	<b>46,118</b>	<b>48,173</b>	<b>2,055</b>	<b>4.46%</b>
236000	<i>Construction of Buildings</i>	9,382	9,901	519	5.53%
236100	Residential Building Construction	2,844	3,047	203	7.14%
236200	Nonresidential Building Construction	6,538	6,854	316	4.83%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
237000	<i>Heavy and Civil Engineering Construction</i>	7,437	7,221	-216	-2.90%
237100	Utility System Construction	4,280	4,139	-141	-3.29%
237200	Land Subdivision	127	114	-13	-10.24%
237300	Highway, Street, and Bridge Construction	2,513	2,491	-22	-0.88%
237900	Other Heavy and Civil Engineering Construction	517	477	-40	-7.74%
238000	<i>Specialty Trade Contractors</i>	29,299	31,051	1,752	5.98%
238100	Foundation, Structure, and Building Exterior Contractors	5,624	5,829	205	3.65%
238200	Building Equipment Contractors	15,735	16,763	1,028	6.53%
238300	Building Finishing Contractors	3,736	4,119	383	10.25%
238900	Other Specialty Trade Contractors	4,204	4,340	136	3.24%
<b>101300</b>	<b>MANUFACTURING</b>	<b>155,648</b>	<b>159,188</b>	<b>3,540</b>	<b>2.27%</b>
	<b><i>Non-Durable Goods Manufacturing</i></b>	<b>78,639</b>	<b>80,457</b>	<b>1,818</b>	<b>2.31%</b>
311000	<i>Food Manufacturing</i>	43,281	44,517	1,236	2.86%
311100	Animal Food Manufacturing	1,428	1,445	17	1.19%
311200	Grain and Oilseed Milling	2,487	2,547	60	2.41%
311400	Fruit and Vegetable Preserving and Specialty Food Manufacturing	4,398	4,053	-345	-7.84%
311500	Dairy Product Manufacturing	526	518	-8	-1.52%
311600	Animal Slaughtering and Processing	29,175	30,400	1,225	4.20%
311800	Bakeries and Tortilla Manufacturing	3,318	3,459	141	4.25%
311900	Other Food Manufacturing	1,899	2,044	145	7.64%
	Other	50	51	1	2.00%
312000	<i>Beverage and Tobacco Product Manufacturing</i>	1,285	1,390	105	8.17%
313000	<i>Textile Mills</i>	65	65	0	0.00%
314000	<i>Textile Product Mills</i>	870	813	-57	-6.55%
314100	Textile Furnishings Mills	36	36	0	0.00%
314900	Other Textile Product Mills	834	777	-57	-6.83%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
315000	<i>Apparel Manufacturing</i>	874	983	109	12.47%
315100	Apparel Knitting Mills	610	727	117	19.18%
315200	Cut and Sew Apparel Manufacturing	154	141	-13	-8.44%
315900	Apparel Accessories and Other Apparel Manufacturing	110	115	5	4.55%
316000	<i>Leather and Allied Product Manufacturing</i>	1,034	950	-84	-8.12%
322000	<i>Paper Manufacturing</i>	9,541	9,692	151	1.58%
322100	Pulp, Paper, and Paperboard Mills	4,032	3,866	-166	-4.12%
322200	Converted Paper Product Manufacturing	5,509	5,826	317	5.75%
323000	<i>Printing and Related Support Activities</i>	4,012	3,916	-96	-2.39%
324000	<i>Petroleum and Coal Products Manufacturing</i>	1,106	1,153	47	4.25%
325000	<i>Chemical Manufacturing</i>	5,142	5,256	114	2.22%
325100	Basic Chemical Manufacturing	1,898	1,834	-64	-3.37%
325200	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing	301	315	14	4.65%
325300	Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing	378	410	32	8.47%
325400	Pharmaceutical and Medicine Manufacturing	299	353	54	18.06%
325500	Paint, Coating, and Adhesive Manufacturing	266	249	-17	-6.39%
325600	Soap, Cleaning Compound, and Toilet Preparation Manufacturing	1,247	1,290	43	3.45%
325900	Other Chemical Product and Preparation Manufacturing	753	805	52	6.91%
326000	<i>Plastics and Rubber Products Manufacturing</i>	11,429	11,722	293	2.56%
326100	Plastics Product Manufacturing	7,061	7,225	164	2.32%
326200	Rubber Product Manufacturing	4,368	4,497	129	2.95%
	<b><i>Durable Goods Manufacturing</i></b>	<b>77,009</b>	<b>78,731</b>	<b>1,722</b>	<b>2.24%</b>
321000	<i>Wood Product Manufacturing</i>	9,338	9,663	325	3.48%
321100	Sawmills and Wood Preservation	4,382	4,508	126	2.88%
321200	Veneer, Plywood, and Engineered Wood Product Manufacturing	1,977	2,007	30	1.52%
321900	Other Wood Product Manufacturing	2,979	3,148	169	5.67%



## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
327000	<i>Nonmetallic Mineral Product Manufacturing</i>	3,637	3,811	174	4.78%
327100	Clay Product and Refractory Manufacturing	399	430	31	7.77%
327200	Glass and Glass Product Manufacturing	371	400	29	7.82%
327300	Cement and Concrete Product Manufacturing	2,014	2,068	54	2.68%
327400	Lime and Gypsum Product Manufacturing	275	313	38	13.82%
327900	Other Nonmetallic Mineral Product Manufacturing	578	600	22	3.81%
331000	<i>Primary Metal Manufacturing</i>	9,123	9,188	65	0.71%
331100	Iron and Steel Mills and Ferroalloy Manufacturing	2,535	3,095	560	22.09%
331200	Steel Product Manufacturing from Purchased Steel	2,764	2,690	-74	-2.68%
331300	Alumina and Aluminum Production	1,209	1,175	-34	-2.81%
331400	Nonferrous Metal (except Aluminum) Production and Processing	509	470	-39	-7.66%
331500	Foundries	2,106	1,758	-348	-16.52%
332000	<i>Fabricated Metal Product Manufacturing</i>	15,067	15,259	192	1.27%
332100	Forging and Stamping	359	457	98	27.30%
332200	Cutlery and Handtool Manufacturing	625	375	-250	-40.00%
332300	Architectural and Structural Metals Manufacturing	3,996	4,150	154	3.85%
332400	Boiler, Tank, and Shipping Container Manufacturing	772	728	-44	-5.70%
332500	Hardware Manufacturing	279	290	11	3.94%
332600	Spring and Wire Product Manufacturing	400	371	-29	-7.25%
332700	Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	2,066	2,178	112	5.42%
332800	Coating, Engraving, Heat Treating, and Allied Activities	714	745	31	4.34%
332900	Other Fabricated Metal Product Manufacturing	5,856	5,965	109	1.86%
333000	<i>Machinery Manufacturing</i>	11,629	11,962	333	2.86%
333100	Agriculture, Construction, and Mining Machinery Manufacturing	3,121	3,360	239	7.66%
333200	Industrial Machinery Manufacturing	648	663	15	2.31%
333300	Commercial and Service Industry Machinery Manufacturing	768	738	-30	-3.91%
333400	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing	3,102	3,153	51	1.64%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
333500	Metalworking Machinery Manufacturing	1,142	1,104	-38	-3.33%
333600	Engine, Turbine, and Power Transmission Equipment Manufacturing	723	700	-23	-3.18%
333900	Other General Purpose Machinery Manufacturing	2,125	2,244	119	5.60%
<i>334000</i>	<i>Computer and Electronic Product Manufacturing</i>	<i>2,496</i>	<i>2,556</i>	<i>60</i>	<i>2.40%</i>
334400	Semiconductor and Other Electronic Component Manufacturing	1,696	1,814	118	6.96%
334500	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	484	465	-19	-3.93%
	Other	316	277	-39	-12.34%
<i>335000</i>	<i>Electrical Equipment, Appliance, and Component Manufacturing</i>	<i>5,364</i>	<i>5,227</i>	<i>-137</i>	<i>-2.55%</i>
335100	Electric Lighting Equipment Manufacturing	332	311	-21	-6.33%
335200	Household Appliance Manufacturing	50	49	-1	-2.00%
335300	Electrical Equipment Manufacturing	3,432	3,365	-67	-1.95%
335900	Other Electrical Equipment and Component Manufacturing	1,550	1,502	-48	-3.10%
<i>336000</i>	<i>Transportation Equipment Manufacturing</i>	<i>13,680</i>	<i>14,773</i>	<i>1,093</i>	<i>7.99%</i>
336200	Motor Vehicle Body and Trailer Manufacturing	1,823	1,920	97	5.32%
336300	Motor Vehicle Parts Manufacturing	4,936	5,096	160	3.24%
336400	Aerospace Product and Parts Manufacturing	3,350	3,567	217	6.48%
336600	Ship and Boat Building	1,707	1,788	81	4.75%
	Other	1,864	2,402	538	28.86%
<i>337000</i>	<i>Furniture and Related Product Manufacturing</i>	<i>3,339</i>	<i>2,994</i>	<i>-345</i>	<i>-10.33%</i>
337100	Household and Institutional Furniture & Kitchen Cabinet Manufacturing	2,319	2,110	-209	-9.01%
337200	Office Furniture (including Fixtures) Manufacturing	912	781	-131	-14.36%
337900	Other Furniture Related Product Manufacturing	108	103	-5	-4.63%
<i>339000</i>	<i>Miscellaneous Manufacturing</i>	<i>3,336</i>	<i>3,298</i>	<i>-38</i>	<i>-1.14%</i>
339100	Medical Equipment and Supplies Manufacturing	1,635	1,702	67	4.10%
339900	Other Miscellaneous Manufacturing	1,701	1,596	-105	-6.17%
102000	Services Providing	975,817	1,002,819	27,002	2.77%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
<b>102100</b>	<b>TRADE, TRANSPORTATION, AND UTILITIES</b>	<b>245,928</b>	<b>254,064</b>	<b>8,136</b>	<b>3.31%</b>
<b>420000</b>	<b>Wholesale Trade</b>	<b>46,664</b>	<b>48,267</b>	<b>1,603</b>	<b>3.44%</b>
423000	<i>Merchant Wholesalers, Durable Goods</i>	20,987	21,803	816	3.89%
423100	Motor Vehicle and Motor Vehicle Parts and Supplies Merchant Wholesalers	2,744	2,916	172	6.27%
423200	Furniture and Home Furnishing Merchant Wholesalers	452	474	22	4.87%
423300	Lumber and Other Construction Materials Merchant Wholesalers	1,367	1,402	35	2.56%
423400	Professional and Commercial Equipment and Supplies Merchant Wholesalers	2,651	2,710	59	2.23%
423500	Metal and Mineral (except Petroleum) Merchant Wholesalers	879	824	-55	-6.26%
423600	Household Appliances & Electrical and Electronic Goods Merchant Wholesalers	1,875	2,060	185	9.87%
423700	Hardware, and Plumbing and Heating Equipment and Supplies Merchant Wholesalers	2,271	2,398	127	5.59%
423800	Machinery, Equipment, and Supplies Merchant Wholesalers	6,768	7,020	252	3.72%
423900	Miscellaneous Durable Goods Merchant Wholesalers	1,980	1,999	19	0.96%
424000	<i>Merchant Wholesalers, Nondurable Goods</i>	15,010	15,078	68	0.45%
424100	Paper and Paper Product Merchant Wholesalers	1,140	1,085	-55	-4.82%
424200	Drugs and Druggists' Sundries Merchant Wholesalers	644	689	45	6.99%
424300	Apparel, Piece Goods, and Notions Merchant Wholesalers	631	678	47	7.45%
424400	Grocery and Related Product Wholesalers	4,211	4,068	-143	-3.40%
424500	Farm Product Raw Material Merchant Wholesalers	779	776	-3	-0.39%
424600	Chemical and Allied Products Merchant Wholesalers	676	694	18	2.66%
424700	Petroleum and Petroleum Products Merchant Wholesalers	1,772	1,778	6	0.34%
424800	Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers	1,510	1,639	129	8.54%
424900	Miscellaneous Nondurable Goods Merchant Wholesalers	3,647	3,671	24	0.66%
425000	<i>Wholesale Electronic Markets and Agents and Brokers</i>	10,667	11,386	719	6.74%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
<b>440000</b>	<b><i>Retail Trade</i></b>	<b>136,692</b>	<b>141,722</b>	<b>5,030</b>	<b>3.68%</b>
441000	<i>Motor Vehicle and Parts Dealers</i>	18,447	19,349	902	4.89%
441100	Automobile Dealers	11,370	12,062	692	6.09%
441200	Other Motor Vehicle Dealers	1,479	1,631	152	10.28%
441300	Automotive Parts, Accessories, and Tire Stores	5,598	5,656	58	1.04%
442000	<i>Furniture and Home Furnishings Stores</i>	3,516	3,770	254	7.22%
442100	Furniture Stores	1,998	2,111	113	5.66%
442200	Home Furnishings Stores	1,518	1,659	141	9.29%
443000	<i>Electronics and Appliance Stores</i>	3,823	4,109	286	7.48%
444000	<i>Building Material and Garden Equipment and Supplies Dealers</i>	10,652	10,818	166	1.56%
444100	Building Material and Supplies Dealers	9,293	9,448	155	1.67%
444200	Lawn and Garden Equipment and Supplies Stores	1,359	1,370	11	0.81%
445000	<i>Food and Beverage Stores</i>	19,339	19,533	194	1.00%
445100	Grocery Stores	16,759	16,814	55	0.33%
445200	Specialty Food Stores	911	968	57	6.26%
445300	Beer, Wine, and Liquor Stores	1,669	1,751	82	4.91%
446000	<i>Health and Personal Care Stores</i>	8,154	8,431	277	3.40%
447000	<i>Gasoline Stations</i>	11,958	12,327	369	3.09%
448000	<i>Clothing and Clothing Accessories Stores</i>	7,987	8,291	304	3.81%
448100	Clothing Stores	6,086	6,304	218	3.58%
448200	Shoe Stores	1,125	1,184	59	5.24%
448300	Jewelry, Luggage, and Leather Goods Stores	776	803	27	3.48%
451000	<i>Sporting Goods, Hobby, Book, and Music Stores</i>	4,650	4,835	185	3.98%
451100	Sporting Goods, Hobby, and Musical Instrument Stores	4,119	4,294	175	4.25%
451200	Book, Periodical, and Music Stores	531	541	10	1.88%
452000	<i>General Merchandise Stores</i>	39,107	40,857	1,750	4.47%
452100	Department Stores	8,284	8,521	237	2.86%
452900	Other General Merchandise Stores	30,823	32,336	1,513	4.91%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
<i>453000</i>	<i>Miscellaneous Store Retailers</i>	7,204	7,574	370	5.14%
453100	Florists	700	659	-41	-5.86%
453200	Office Supplies, Stationery, and Gift Stores	1,993	2,002	9	0.45%
453300	Used Merchandise Stores	1,937	2,253	316	16.31%
453900	Other Miscellaneous Store Retailers	2,574	2,660	86	3.34%
<i>454000</i>	<i>Nonstore Retailers</i>	<i>1,855</i>	<i>1,828</i>	<i>-27</i>	<i>-1.46%</i>
454100	Electronic Shopping and Mail Order Houses	734	743	9	1.23%
454200	Vending Machine Operators	417	390	-27	-6.47%
454300	Direct Selling Establishments	704	695	-9	-1.28%
<b>480000</b>	<b><i>Transportation and Warehousing</i></b>	<b>54,706</b>	<b>56,372</b>	<b>1,666</b>	<b>3.05%</b>
<i>481000</i>	<i>Air Transportation</i>	631	631	0	0.00%
481100	Scheduled Air Transportation	557	544	-13	-2.33%
481200	Nonscheduled Air Transportation	74	87	13	17.57%
<i>483000</i>	<i>Water Transportation</i>	20	21	1	5.00%
<i>484000</i>	<i>Truck Transportation</i>	32,429	33,189	760	2.34%
484100	General Freight Trucking	25,940	26,571	631	2.43%
484200	Specialized Freight Trucking	6,489	6,618	129	1.99%
<i>485000</i>	<i>Transit and Ground Passenger Transportation</i>	<i>1,646</i>	<i>1,727</i>	<i>81</i>	<i>4.92%</i>
485300	Taxi and Limousine Service	461	480	19	4.12%
485400	School and Employee Bus Transportation	490	518	28	5.71%
485500	Charter Bus Industry	112	111	-1	-0.89%
485900	Other Transit and Ground Passenger Transportation	496	531	35	7.06%
	Other	87	87	0	0.00%
<i>486000</i>	<i>Pipeline Transportation</i>	539	402	-137	-25.42%
<i>488000</i>	<i>Support Activities for Transportation</i>	5,027	5,668	641	12.75%
488100	Support Activities for Air Transportation	1,142	1,046	-96	-8.41%
488200	Support Activities for Rail Transportation	477	809	332	69.60%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
488300	Support Activities for Water Transportation	708	757	49	6.92%
488400	Support Activities for Road Transportation	732	840	108	14.75%
488500	Freight Transportation Arrangement	1,880	2,108	228	12.13%
488900	Other Support Activities for Transportation	88	108	20	22.73%
492000	<i>Couriers and Messengers</i>	3,605	3,772	167	4.63%
493000	<i>Warehousing and Storage</i>	7,239	7,311	72	0.99%
	<i>OTHER</i>	3,570	3,651	81	2.27%
<b>220000</b>	<b>Utilities</b>	<b>7,866</b>	<b>7,703</b>	<b>-163</b>	<b>-2.07%</b>
221100	Electric Power Generation, Transmission and Distribution	5,553	5,435	-118	-2.12%
221200	Natural Gas Distribution	1,384	1,289	-95	-6.86%
221300	Water, Sewage and Other Systems	929	979	50	5.38%
<b>102200</b>	<b>INFORMATION</b>	<b>13,247</b>	<b>12,907</b>	<b>-340</b>	<b>-2.57%</b>
511000	<i>Publishing Industries (except Internet)</i>	3,355	3,207	-148	-4.41%
511100	Newspaper, Periodical, Book, and Directory Publishers	3,038	2,875	-163	-5.37%
511200	Software Publishers	317	332	15	4.73%
512000	<i>Motion Picture and Sound Recording Industries</i>	1,034	1,027	-7	-0.68%
512100	Motion Picture and Video Industries	1,008	1,004	-4	-0.40%
512200	Sound Recording Industries	26	23	-3	-11.54%
515000	<i>Broadcasting (except Internet)</i>	1,617	1,589	-28	-1.73%
515100	Radio and Television Broadcasting	1,587	1,563	-24	-1.51%
515200	Cable and Other Subscription Programming	30	26	-4	-13.33%
517000	<i>Telecommunications</i>	5,556	5,353	-203	-3.65%
517100	Wired Telecommunications Carriers	3,559	3,460	-99	-2.78%
517200	Wireless Telecommunications Carriers (except Satellite)	1,711	1,614	-97	-5.67%
517900	Other Telecommunications	286	279	-7	-2.45%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
518000	<i>Data Processing, Hosting and Related Services</i>	1,386	1,461	75	5.41%
519000	<i>Other Information Services</i>	299	270	-29	-9.70%
<b>102300</b>	<b>FINANCIAL ACTIVITIES</b>	<b>48,618</b>	<b>48,922</b>	<b>304</b>	<b>0.63%</b>
<b>520000</b>	<b><i>Finance and Insurance</i></b>	<b>35,763</b>	<b>35,819</b>	<b>56</b>	<b>0.16%</b>
522000	<i>Credit Intermediation and Related Activities</i>	18,795	18,384	-411	-2.19%
522100	Depository Credit Intermediation	16,044	15,598	-446	-2.78%
522200	Nondepository Credit Intermediation	2,291	2,297	6	0.26%
522300	Activities Related to Credit Intermediation	460	489	29	6.30%
523000	<i>Securities, Commodity Contracts, and Other Financial Investments and Related Activities</i>	3,109	3,243	134	4.31%
524000	<i>Insurance Carriers and Related Activities</i>	13,786	14,120	334	2.42%
524100	Insurance Carriers	6,358	6,484	126	1.98%
524200	Agencies, Brokerages, and Other Insurance Related Activities	7,428	7,636	208	2.80%
	OTHER	73	72	-1	-1.37%
<b>530000</b>	<b><i>Real Estate and Rental and Leasing</i></b>	<b>12,855</b>	<b>13,103</b>	<b>248</b>	<b>1.93%</b>
531000	<i>Real Estate</i>	8,688	9,041	353	4.06%
531100	Lessors of Real Estate	4,013	4,084	71	1.77%
531200	Offices of Real Estate Agents and Brokers	1,652	1,760	108	6.54%
531300	Activities Related to Real Estate	3,023	3,197	174	5.76%
532000	<i>Rental and Leasing Services</i>	4,100	3,992	-108	-2.63%
532100	Automotive Equipment Rental and Leasing	883	908	25	2.83%
532200	Consumer Goods Rental	1,895	1,860	-35	-1.85%
532300	General Rental Centers	225	230	5	2.22%
532400	Commercial and Industrial Machinery and Equipment Rental and Leasing	1,097	994	-103	-9.39%
533000	<i>Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)</i>	67	70	3	4.48%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
<b>102400</b>	<b>PROFESSIONAL AND BUSINESS SERVICES</b>	<b>135,145</b>	<b>142,597</b>	<b>7,452</b>	<b>5.51%</b>
<b>540000</b>	<b><i>Professional, Scientific, and Technical Services</i></b>	<b>41,663</b>	<b>43,427</b>	<b>1,764</b>	<b>4.23%</b>
541000	<i>Professional, Scientific, and Technical Services</i>	41,663	43,427	1,764	4.23%
541100	Legal Services	5,918	6,004	86	1.45%
541200	Accounting, Tax Preparation, Bookkeeping, and Payroll Services	6,267	6,461	194	3.10%
541300	Architectural, Engineering, and Related Services	5,618	5,554	-64	-1.14%
541400	Specialized Design Services	413	375	-38	-9.20%
541500	Computer Systems Design and Related Services	9,850	10,659	809	8.21%
541600	Management, Scientific, and Technical Consulting Services	5,512	5,798	286	5.19%
541700	Scientific Research and Development Services	903	955	52	5.76%
541800	Advertising, Public Relations, and Related Services	3,428	3,665	237	6.91%
541900	Other Professional, Scientific, and Technical Services	3,754	3,956	202	5.38%
<b>550000</b>	<b><i>Management of Companies and Enterprises</i></b>	<b>32,336</b>	<b>34,114</b>	<b>1,778</b>	<b>5.50%</b>
<b>560000</b>	<b><i>Administrative and Support and Waste Management and Remediation Services</i></b>	<b>61,146</b>	<b>65,056</b>	<b>3,910</b>	<b>6.39%</b>
561000	<i>Administrative and Support Services</i>	58,111	61,793	3,682	6.34%
561100	Office Administrative Services	4,154	4,769	615	14.81%
561200	Facilities Support Services	209	194	-15	-7.18%
561300	Employment Services	25,229	26,600	1,371	5.43%
561400	Business Support Services	8,248	8,834	586	7.10%
561500	Travel Arrangement and Reservation Services	327	309	-18	-5.50%
561600	Investigation and Security Services	4,720	4,914	194	4.11%
561700	Services to Buildings and Dwellings	13,831	14,706	875	6.33%
561900	Other Support Services	1,393	1,467	74	5.31%



## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
562000	<i>Waste Management and Remediation Services</i>	3,035	3,263	228	7.51%
562100	Waste Collection	1,105	1,167	62	5.61%
562200	Waste Treatment and Disposal	822	913	91	11.07%
562900	Remediation and Other Waste Management Services	1,108	1,183	75	6.77%
<b>102500</b>	<b>EDUCATION AND HEALTH SERVICES</b>	<b>285,332</b>	<b>291,287</b>	<b>5,955</b>	<b>2.09%</b>
<b>610000</b>	<b><i>Educational Services</i></b>	<b>114,722</b>	<b>115,613</b>	<b>891</b>	<b>0.78%</b>
611100	Elementary and Secondary Schools	77,458	77,525	67	0.09%
611200	Junior Colleges	7,495	7,494	-1	-0.01%
611300	Colleges, Universities, and Professional Schools	26,159	26,884	725	2.77%
611400	Business Schools and Computer and Management Training	92	83	-9	-9.78%
611500	Technical and Trade Schools	1,216	1,226	10	0.82%
611600	Other Schools and Instruction	1,647	1,711	64	3.89%
611700	Educational Support Services	655	690	35	5.34%
<b>620000</b>	<b><i>Health Care and Social Assistance</i></b>	<b>170,610</b>	<b>175,674</b>	<b>5,064</b>	<b>2.97%</b>
621000	<i>Ambulatory Health Care Services</i>	50,373	52,725	2,352	4.67%
621100	Offices of Physicians	22,784	23,748	964	4.23%
621200	Offices of Dentists	6,984	7,099	115	1.65%
621300	Offices of Other Health Practitioners	7,831	8,387	556	7.10%
621400	Outpatient Care Centers	4,385	4,646	261	5.95%
621500	Medical and Diagnostic Laboratories	1,097	1,172	75	6.84%
621600	Home Health Care Services	4,834	5,094	260	5.38%
621900	Other Ambulatory Health Care Services	2,458	2,579	121	4.92%
622000	<i>Hospitals</i>	51,895	52,525	630	1.21%
622100	General Medical and Surgical Hospitals	46,810	47,429	619	1.32%
622200	Psychiatric and Substance Abuse Hospitals	2,937	3,020	83	2.83%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
622300	Specialty (except Psychiatric and Substance Abuse) Hospitals	2,148	2,076	-72	-3.35%
<b>623000</b>	<b><i>Nursing and Residential Care Facilities</i></b>	<b>30,544</b>	<b>30,603</b>	<b>59</b>	<b>0.19%</b>
623100	Nursing Care Facilities (Skilled Nursing Facilities)	21,738	21,377	-361	-1.66%
623200	Residential Intellectual & Developmental Disability, Mental Health, & Substance Abuse Facilities	4,244	4,341	97	2.29%
623300	Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly	3,528	3,873	345	9.78%
623900	Other Residential Care Facilities	1,034	1,012	-22	-2.13%
<b>624000</b>	<b><i>Social Assistance</i></b>	<b>37,798</b>	<b>39,821</b>	<b>2,023</b>	<b>5.35%</b>
624100	Individual and Family Services	23,248	24,836	1,588	6.83%
624200	Community Food and Housing, and Emergency and Other Relief Services	1,308	1,363	55	4.20%
624300	Vocational Rehabilitation Services	3,367	3,434	67	1.99%
624400	Child Day Care Services	9,875	10,188	313	3.17%
<b>102600</b>	<b>LEISURE AND HOSPITALITY</b>	<b>106,201</b>	<b>109,930</b>	<b>3,729</b>	<b>3.51%</b>
<b>710000</b>	<b><i>Arts, Entertainment, and Recreation</i></b>	<b>9,336</b>	<b>9,605</b>	<b>269</b>	<b>2.88%</b>
<b>711000</b>	<b><i>Performing Arts, Spectator Sports, and Related Industries</i></b>	<b>2,621</b>	<b>2,659</b>	<b>38</b>	<b>1.45%</b>
711100	Performing Arts Companies	360	318	-42	-11.67%
711200	Spectator Sports	1,662	1,683	21	1.26%
711300	Promoters of Performing Arts, Sports, and Similar Events	518	579	61	11.78%
711400	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	28	27	-1	-3.57%
711500	Independent Artists, Writers, and Performers	53	52	-1	-1.89%
<b>712000</b>	<b><i>Museums, Historical Sites, and Similar Institution</i></b>	<b>523</b>	<b>561</b>	<b>38</b>	<b>7.27%</b>
<b>713000</b>	<b><i>Amusement, Gambling, and Recreation Industries</i></b>	<b>6,192</b>	<b>6,385</b>	<b>193</b>	<b>3.12%</b>
<b>720000</b>	<b><i>Accommodation and Food Services</i></b>	<b>96,865</b>	<b>100,325</b>	<b>3,460</b>	<b>3.57%</b>
<b>721000</b>	<b><i>Accommodation, including Hotels and Motels</i></b>	<b>10,392</b>	<b>10,526</b>	<b>134</b>	<b>1.29%</b>
721100	Traveler Accommodation	9,977	10,106	129	1.29%
721200	RV (Recreational Vehicle) Parks and Recreational Camps	315	311	-4	-1.27%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
721300	Rooming and Boarding Houses	100	109	9	9.00%
722000	<i>Food Services and Drinking Places</i>	86,473	89,799	3,326	3.85%
722300	Special Food Services	3,537	4,006	469	13.26%
722400	Drinking Places (Alcoholic Beverages)	1,120	1,074	-46	-4.11%
722500	Restaurants and Other Eating Places	81,816	84,719	2,903	3.55%
<b>102700</b>	<b>OTHER SERVICES (EXCEPT GOVERNMENT)</b>	<b>43,967</b>	<b>44,694</b>	<b>727</b>	<b>1.65%</b>
811000	<i>Repair and Maintenance</i>	9,636	9,876	240	2.49%
811100	Automotive Repair and Maintenance	6,023	6,140	117	1.94%
811200	Electronic and Precision Equipment Repair and Maintenance	807	857	50	6.20%
811300	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	2,243	2,307	64	2.85%
811400	Personal and Household Goods Repair and Maintenance	563	572	9	1.60%
812000	<i>Personal and Laundry Services</i>	7,532	7,501	-31	-0.41%
812100	Personal Care Services	2,794	2,836	42	1.50%
812200	Death Care Services	1,583	1,607	24	1.52%
812300	Drycleaning and Laundry Services	2,386	2,268	-118	-4.95%
812900	Other Personal Services	769	790	21	2.73%
813000	<i>Religious, Grantmaking, Civic, Professional, and Similar Organizations</i>	25,801	26,372	571	2.21%
813100	Religious Organizations	19,891	20,496	605	3.04%
813200	Grantmaking and Giving Services	564	617	53	9.40%
813300	Social Advocacy Organizations	1,750	1,818	68	3.89%
813400	Civic and Social Organizations	1,113	1,068	-45	-4.04%
813900	Business, Professional, Labor, Political, and Similar Organizations	2,483	2,373	-110	-4.43%
814000	<i>Private Households</i>	998	945	-53	-5.31%

## 2015-2017 Arkansas Statewide Industry Projections

NAICS Code	North American Industry Classification System Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth
<b>102800</b>	<b>GOVERNMENT</b>	<b>97,379</b>	<b>98,418</b>	<b>1,039</b>	<b>1.07%</b>
910000	<i>Total Federal Government Employment</i>	20,306	20,000	-306	-1.51%
491100	Postal Service	5,395	5,474	79	1.46%
999100	Federal Government, Excluding Post Office	14,911	14,526	-385	-2.58%
999200	State Government, Excluding Education and Hospitals	37,456	38,098	642	1.71%
999300	Local Government, Excluding Education and Hospitals	39,617	40,320	703	1.77%

# EXPLANATION OF OCCUPATIONAL PROJECTIONS DATA ARKANSAS-STATEWIDE 2015-2017

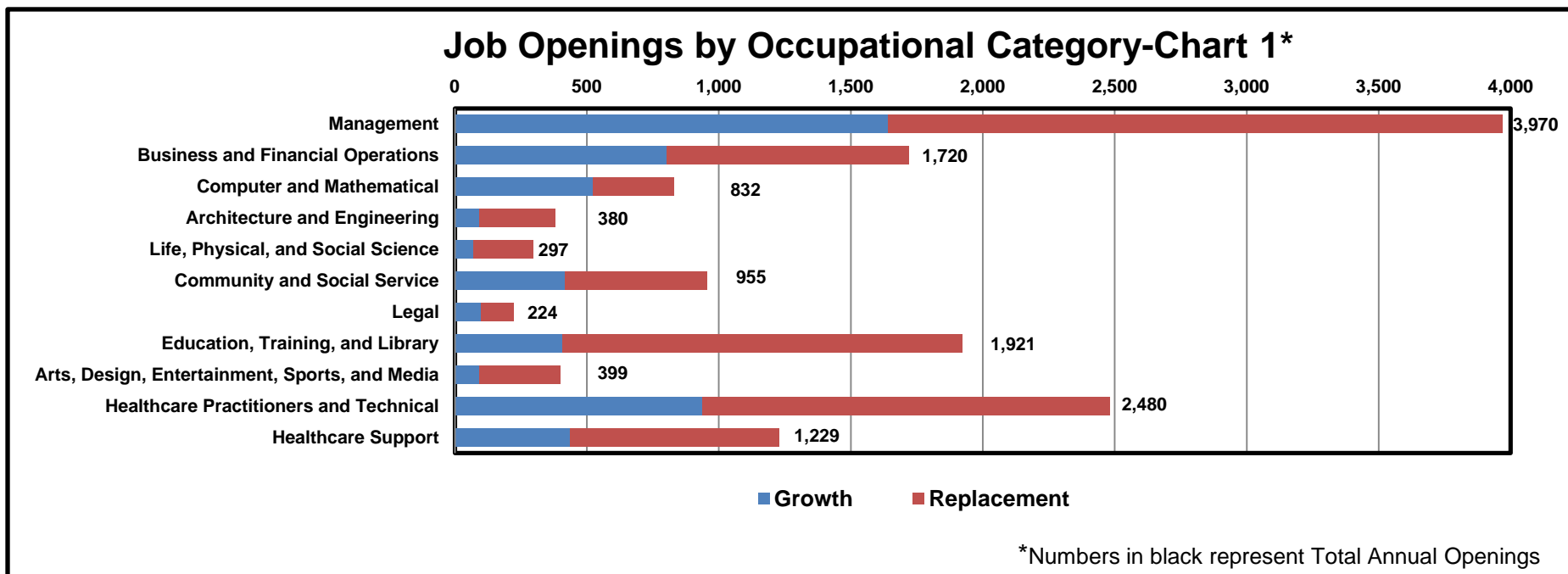
SOC Code	SOC Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings- Growth	Annual Openings- Replacement	Total Annual Openings	Education/ Training Codes
The occupational code based on the Standard Occupational Classification (SOC) Coding and Title Structure	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 2015	The projected number of jobs expected to be in an occupation in 2017	Total number of jobs an occupation is expected to gain or lose over the 2015 to 2017 period	Percent change in the number of jobs in an occupation over the 2015 to 2017 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. See page 91 for definitions.

## 2015-2017 Arkansas Statewide Occupational Projections by Major Group

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacements	Total Annual Openings
<b>00-0000</b>	<b>Total, All Occupations</b>	<b>1,318,807</b>	<b>1,353,511</b>	<b>34,704</b>	<b>2.63%</b>	<b>18,184</b>	<b>30,906</b>	<b>49,090</b>
11-0000	Management Occupations	120,657	123,939	3,282	2.72%	1,642	2,328	3,970
13-0000	Business and Financial Operations Occupations	48,024	49,615	1,591	3.31%	804	916	1,720
15-0000	Computer and Mathematical Occupations	22,373	23,420	1,047	4.68%	524	308	832
17-0000	Architecture and Engineering Occupations	12,052	12,182	130	1.08%	92	288	380
19-0000	Life, Physical, and Social Science Occupations	7,884	8,001	117	1.48%	71	226	297
21-0000	Community and Social Service Occupations	26,438	27,270	832	3.15%	416	539	955
23-0000	Legal Occupations	8,143	8,344	201	2.47%	100	124	224
25-0000	Education, Training, and Library Occupations	71,592	72,393	801	1.12%	408	1,513	1,921
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	12,895	13,022	127	0.98%	94	305	399
29-0000	Healthcare Practitioners and Technical Occupations	73,996	75,855	1,859	2.51%	936	1,544	2,480
31-0000	Healthcare Support Occupations	37,611	38,485	874	2.32%	437	792	1,229
33-0000	Protective Service Occupations	25,101	25,632	531	2.12%	269	621	890
35-0000	Food Preparation and Serving Related Occupations	100,552	103,809	3,257	3.24%	1,652	4,002	5,654
37-0000	Building and Grounds Cleaning and Maintenance Occupations	41,560	42,850	1,290	3.10%	645	778	1,423
39-0000	Personal Care and Service Occupations	43,741	45,389	1,648	3.77%	830	864	1,694
41-0000	Sales and Related Occupations	132,764	137,651	4,887	3.68%	2,446	4,374	6,820
43-0000	Office and Administrative Support Occupations	189,964	193,740	3,776	1.99%	2,086	3,944	6,030
45-0000	Farming, Fishing, and Forestry Occupations	11,359	11,449	90	0.79%	58	280	338
47-0000	Construction and Extraction Occupations	52,762	54,378	1,616	3.06%	920	850	1,770
49-0000	Installation, Maintenance, and Repair Occupations	54,300	55,764	1,464	2.70%	768	1,228	1,996
51-0000	Production Occupations	115,825	118,043	2,218	1.91%	1,424	2,588	4,012
53-0000	Transportation and Material Moving Occupations	109,214	112,280	3,066	2.81%	1,564	2,490	4,054

# Occupational Outlook

The Arkansas labor market is expected to see a growth of 34,704 jobs over the 2015-2017 projection period, an increase of 2.63 percent, with many job opportunities for recent graduates and other job seekers. Of the 49,090 total annual job openings expected during the projection period, 18,184 jobs are estimated to come from growth and expansion of businesses. The other 30,906 jobs are expected to be available due to the need to replace workers who leave their jobs for various reasons. All major occupational groups are estimated to see gains in employment.



## Management Occupations

The **Management Occupations** major group is projected to gain 3,282 jobs between 2015 and 2017, an increase of 2.72 percent. During the projection period, 3,970 job openings are expected to be available annually, of which 2,328 jobs are estimated to be for replacement. *Other Management Occupations* is predicted to add 2,016 new jobs and account for more than 62 percent of the openings among **Management Occupations**. Farmers, Ranchers, and Other Agricultural Managers could account for almost two out of five new jobs in the major group making it the top growing occupation in the major group and second in the state on the Top 20 Growing Occupations list. *Top Executives* is predicted to add 620 to its workforce, while *Operations Specialties Managers* could experience a net gain of 411 jobs. General and Operations Managers is predicted to add an additional 580 jobs.

### **Business and Financial Operations**

The **Business and Financial Operations Occupations** major group is estimated to gain 1,591 new jobs by the first quarter of 2017, an increase of 3.31 percent. Around 1,720 job openings are projected to be available each year of the projection period. Growth and expansion is estimated to account for 804 of the job openings, while 916 jobs will be for replacement. *Business Operations Specialists* is projected to gain the most jobs with 1,137 on the horizon, accounting for more than 71 percent of the job growth in this major group, while *Financial Specialists* is predicted to gain an additional 454. Four occupations are predicted to gain over 100 new jobs during the projection period with Accountants and Auditors expected to add 287 new jobs and have 333 annual job openings.

### **Computer and Mathematical**

The **Computer and Mathematical Occupations** major group is projected to add 1,047 new jobs and have 832 annual job openings. It is projected to be the only major group where growth openings lead replacement openings with 524 for growth and expansion and 308 for replacement. At 4.68 percent, **Computer and Mathematical Occupations** is expected to be the fastest growing major group in the state. The majority of this major group's growth is likely to be in *Computer Occupations* with a gain of 996 new jobs and 797 annual openings. Three occupations in this group are estimated to grow by at least 120 with Computer Systems Analysts leading with 184 new jobs. Operations Research Analysts, of the *Mathematical Science Occupations* occupational family, is expected to be the fastest growing occupation in the major group with a 9.34 percent growth and among the top 10 of the Top 20 Fastest Growing Occupations list. Information Security Analysts is projected to make the Top 20 Fastest Growing Occupations list with a 8.23 percent rise in employment. Computer Programmers and Computer Systems Analysts could each have 122 openings annually during the 2015-2017 projection period.

### **Architecture and Engineering**

The **Architecture and Engineering Occupations** major group is expected to experience a growth of just 130, a 1.08 percent increase between 2015 and 2017. The major group is expected to have 380 annual job openings, more than three-quarters of which would be for replacement. *Engineers* is likely to be the driving force in the growth adding 131 jobs, or increase by 1.85 percent. Industrial Engineers is estimated to lead the major group with 47 new jobs, while Mechanical Engineers is forecast to add 42. Surveying and Mapping Technicians could lose 16 jobs by March 2017.

### **Life, Physical, and Social Science**

**Life, Physical, and Social Science Occupations** is projected to have 117 new jobs during the projection period. *Life, Physical, and Social Science Technicians* is estimated to add 48 to its workforce, while *Life Scientists* is predicted to add 36 to its workforce. Clinical, Counseling, and School Psychologists are set to add the most in this major group with 22 anticipated between 2015 and 2017. In all, six occupations are expected to gain at least 10 new jobs. Occupations with expected job losses are projected to lose less than six jobs each.

### **Community and Social Service**

The **Community and Social Service Occupations** major group is expected to gain 832 jobs by the first quarter of 2017. Around 955 annual job openings are projected to be available with 416 for growth and expansion and 539 for replacement. *Religious Workers* is forecast to gain 436 new jobs with Clergy claiming 291. *Counselors, Social Workers, and Other Community and Social Service Specialists* is predicted to add an additional 396 jobs. Social and Human Service Assistants is predicted to add 128 jobs, while seven other occupations in this occupational family are predicted to add at least 20.



## **Legal**

The **Legal Occupations** major group is projected to gain 201 jobs during the projection period. This occupational group is expected to have the fewest annual openings with 224 anticipated with 100 for growth and expansion and 124 for replacement. The majority of the growth is likely to come in *Lawyers, Judges, and Related Workers* with an anticipated growth of 149 jobs with 136 coming among Lawyers. *Legal Support Workers* is estimated to add 52 new jobs with Paralegals and Legal Assistants adding 43 of those.

## **Education, Training, and Library**

The **Education, Training, and Library Occupations** major group is forecast to add 801 jobs and have 1,921 annual openings each year of the projection period. *Postsecondary Teachers* is estimated to add 332 jobs to the ranks at college campuses across the state. Health Specialties Teachers, Postsecondary is estimated to lead this occupational family in net growth with 47 new jobs. *Preschool, Primary, Secondary, and Special Education School Teachers* is set to add 225 jobs to the Arkansas workforce and have 976 annual openings, a little more than half of the major group's total annual openings. Preschool Teachers, Except Special Education is predicted to lead the occupational family with 60 new jobs. Teacher Assistants are forecast to lead the major group in net growth with a gain of 104.

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

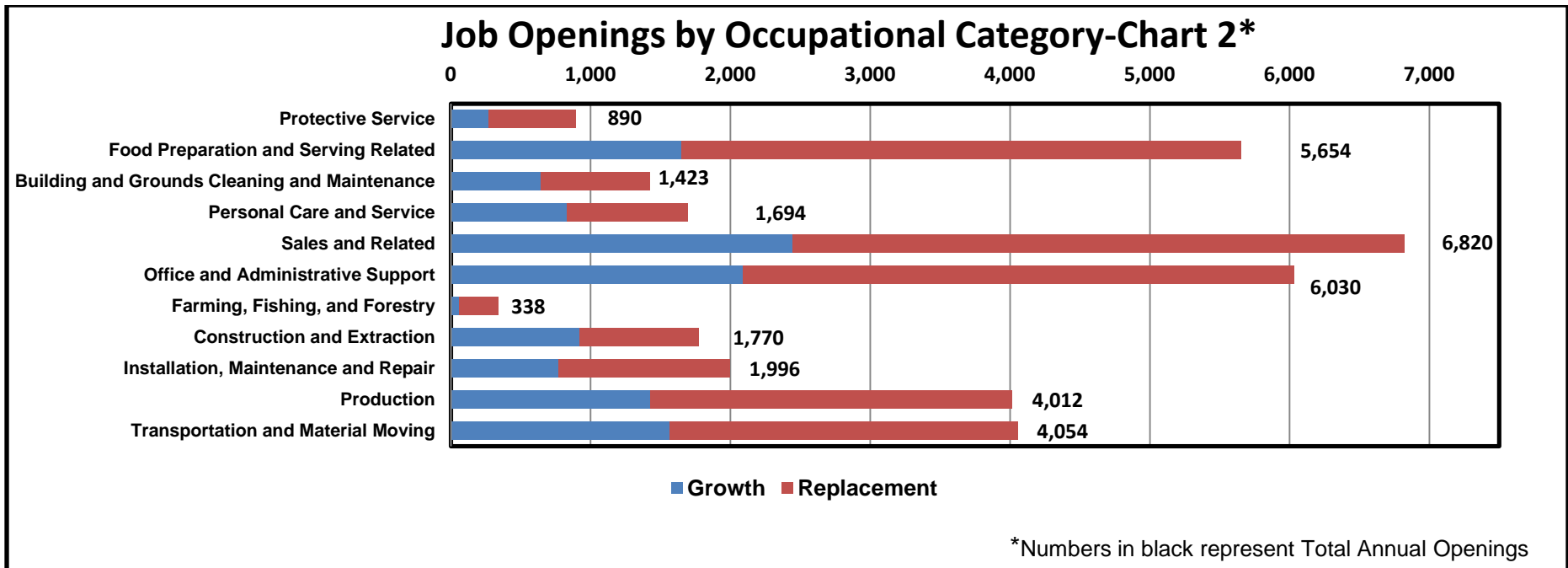
The **Arts, Design, Entertainment, Sports, and Media Occupations** major group is expected to add 127 jobs between 2015 and 2017. Around 399 jobs are projected to be available each year during the projection period. The *Entertainers and Performers, Sports and Related Workers* family could add the most jobs with 53 on the horizon. Coaches and Scouts leads this occupational family with 22 new jobs. Public Relations Specialists is expected to add the most jobs in the major group with 33 new jobs between 2015 and 2017.

## **Healthcare Practitioners and Technical**

The **Healthcare Practitioners and Technical Occupations** major group is projected to add 1,859 jobs between 2015 and 2017. It is expected to have 2,480 job openings each year, 1,544 of which would be for replacement. *Health Diagnosing and Treating Practitioners* is expected to have the most new jobs with 1,179 on the horizon. Registered Nurses is estimated to add 502 and have 741 annual openings, placing it on the Top 20 Annual Openings list as well as the Top 20 Growing Occupations list. A decline in hospital staffing has slowed the growth in Registered Nurses, but the occupation remains a high demand occupation. *Health Technologists and Technicians* is projected to increase by an additional 648 jobs with Pharmacy Technicians adding 143. Veterinary Technologists and Technicians could increase by 7.00 percent.

## **Healthcare Support Occupations**

**Healthcare Support Occupations** is expected to increase employment by 2.32 percent, equivalent to 874 new jobs and 1,229 annual job openings between 2015 and 2017. The occupational family *Nursing, Psychiatric, and Home Health Aides* is estimated to gain the most new jobs with 438 on the horizon. Home Health Aides is forecasted to increase employment by 326, while Nursing Assistants is estimated to increase by an additional 101 jobs. The two occupations are set to have 750 annual job openings combined. *Other Healthcare Support Occupations* could add 308 new jobs to its workforce. Medical Assistants leads this occupational family with 120 new jobs, anticipated. Veterinary Assistants and Laboratory Animal Caretakers could gain 40 jobs, or 5.15 percent of its workforce.



### Protective Service

The **Protective Service Occupations** major group is expected to add 531 new jobs to the Arkansas job market. This major group is predicted to have 890 annual job openings with about 621 for replacement. *Law Enforcement Workers* is forecast to add 213 new jobs with Police and Sheriff's Patrol Officers adding 116 and Correctional Officers and Jailers adding 88. *Other Protective Service Workers* is estimated to see a growth of 201 new jobs with Security Guards adding 169.

### Food Preparation and Serving Related

**Food Preparation and Serving Related Occupations** is expected to increase employment over the next two years adding 3,257 jobs to the Arkansas labor market, an increase of 3.24 percent. It is projected to have 5,654 annual job openings with 4,002 of those for replacement. *Food and Beverage Serving Workers* is projected to have 1,945 new jobs and 3,248 annual job openings during the projection period. That translates to nearly three out of five new jobs in the major group. Combined Food Preparation and Serving Workers, Including Fast Food is estimated to be the top growing occupation in the major group and third in the state with 1,233 new jobs. Waiters and Waitresses is expected to add 568 to its workforce. Cooks, Fast Food is forecast to lose 47 jobs during the projection period.

### Building and Grounds Cleaning and Maintenance

The **Building and Grounds Cleaning and Maintenance Occupations** major group is projected to add 1,290 jobs by the first quarter of 2017 as well as having 1,423 annual openings. *Building Cleaning and Pest Control Workers* is predicted to see 832 new jobs, 64.5 percent of this major group's job growth. Janitors and Cleaners, Except Maids and Housekeeping Cleaners is estimated to gain 635 of those jobs, placing the occupation tenth in

the state in net growth. *Grounds Maintenance Workers* is also forecast to see strong growth with a gain of 301 jobs. Landscaping and Groundskeeping Workers will likely claim the majority of those jobs with 241 on the horizon.

### **Personal Care and Service**

The **Personal Care and Service Occupations** major group is projected to increase employment by 1,648, an increase of 3.77 percent making it the second fastest growing major group in the state. Around 1,694 annual openings are forecast for this major group with 864 for replacement and 830 for growth and expansion. The *Other Personal Care and Service Workers* occupational family could account for 85 percent of the new jobs in this major group with 1,401 expected. Personal Care Aides could add 987 new jobs to its workforce placing it fourth in net growth, while Childcare Workers is predicted to add 339 to its workforce.

### **Sales and Related**

**Sales and Related Occupations** is expected to be the top growing major group with an anticipated gain of 4,887 new jobs by March 2017 and have 6,820 annual openings during the projection period, the most among the major groups. Of these, 4,374 are estimated to be for replacement, while 2,446 would be for growth and expansion. The *Retail Sales Workers* occupational family is predicted to add 2,960 to the Arkansas job market. Retail Salespersons is predicted to add the majority of those jobs with a forecasted growth of 2,026, making it the top growing occupation in the state in net growth, while Cashiers is estimated to gain an additional 796 jobs, placing among the top 10 highest growing occupations. The occupations are slated to be the top two in the number of annual openings. *Sales Representatives, Wholesale and Manufacturing* could add an additional 667 jobs to the labor market during the projection period.

### **Office and Administrative Support**

The **Office and Administrative Support Occupations** major group is predicted to add 3,776 new jobs and have 6,030 annual openings. Of the total annual openings, 3,944 would be for replacement and 2,086 will be due to growth and expansion. The *Information and Record Clerks* family is projected to add 1,124 new jobs. Customer Service Representatives is projected to add 819 jobs to the economy placing it seventh on the Top 20 Growing Occupations list. *Other Office and Administrative Support Workers* is forecast to raise employment by 948. Office Clerks, General is expected to drive growth in the occupational family with 815 new jobs. *Material Recording, Scheduling, Dispatching, and Distributing Workers* is estimated to increase employment by 864. Cargo and Freight Agents, within this occupational family, is estimated to be among the 10 fastest growing occupations with a 10.17 percent growth. The largest decline in this major group could come in Tellers with an anticipated loss of 255 jobs. The increasing trend toward online banking and mandatory direct deposits by some companies may be to blame. Some bank acquisitions and closures are also contributing to less demand for tellers.

### **Farming, Fishing, and Forestry**

The **Farming, Fishing, and Forestry Occupations** major group is projected to see a slight increase over the next two years with a gain of 90, a 0.79 percent increase, the slowest among the major groups. It is also expected to have 338 annual job openings with 280 for replacements and 58 for growth and expansion. The outlook in this major group is mixed with *Agricultural Workers* anticipated to add 106 new jobs, while *Forest, Conservation, and Logging Workers* could lose 14. Farmworkers, Farm, Ranch, and Aquacultural Animals is estimated to add the most jobs with 51 on the horizon.

### **Construction and Extraction**

The **Construction and Extraction Occupations** major group is expected to experience a net gain of 1,616 jobs by March 2017. The major group is estimated to have more growth openings than those for replacements with 920 for growth and 850 for replacement and bringing total annual openings to 1,770. The outlook for this major group is mixed with the *Construction Trades Workers* family predicted to add 1,456 jobs to the workforce as continued or new construction projects pop up. Electricians are estimated to add 304 new jobs, while Construction Laborers could add 292. In all, five occupations in the occupational family are forecast to add more than 100 jobs. Hazardous Materials Removal Workers is projected to be fourth in the state in percent growth with a gain of 10.22 percent. In all, six occupations in the **Construction and Extraction** major group made the Top 20 Fastest Growing Occupations list. On the flip side of the economy, the *Extraction Workers* occupational family is projected to experience a loss of jobs with 225 expected to be cut, a 9.41 percent loss. Service Unit Operators, Oil, Gas, and Mining and Roustabouts, Oil and Gas are estimated to be second and third, respectively, in the Top 20 Declining Occupations list. In all, four occupations make the Top 20 Declining Occupations list, while five make the Top 20 Fastest Declining Occupations list.

### **Installation, Maintenance, and Repair**

The **Installation, Maintenance, and Repair Occupations** major group is projected to gain 1,464 jobs over the next two years. About 1,996 job openings are forecast to be available each year during the projection period with 1,228 due to replacement. The *Other Installation, Maintenance, and Repair Occupations* family is predicted to see the most growth with an increase of 759 jobs. Maintenance and Repair Workers, General is projected to add 292 new jobs to its workforce, while Industrial Machinery Mechanics is predicted to add 230 jobs. The *Vehicle and Mobile Equipment Mechanics, Installers, and Repairers* family is expected to add an additional 495 jobs to the Arkansas labor market.

### **Production Occupations**

The **Production Occupations** major group is predicted to experience a net gain of 2,218 jobs during the projection period, a 1.91 percent increase. Of the 4,012 annual job openings, 2,588 job openings are estimated to be for replacement and 1,424 for growth and expansion. The outlook in this major group is mixed with some gains and losses. *Other Production Occupations* is estimated to gain 861 jobs between 2015 and 2017. Inspectors, Testers, Sorters, Samplers, and Weighers is estimated to add 163 new jobs to its workforce. Team Assemblers, of the *Assemblers and Fabricators* occupational family, could make the Top 20 Growing Occupations list with 377 new jobs. Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders is forecast to be the fastest growing occupation in the state with a 16.85 percent growth. Textile Knitting and Weaving Machine Setters, Operators, and Tenders is second with an anticipated gain of 13.85 percent. On the flip side of the economy, the top two fastest declining occupations are Petroleum Pump System Operators, Refinery Operators, and Gaugers and Gas Plant Operators, which are estimated to lose 20.47 percent and 15.03 percent, respectively. In all, 12 occupations in the Top 20 Fastest Declining Occupations list are in the major group and 11 are in the Top 20 Declining Occupations list.

### **Transportation and Material Moving**

The **Transportation and Material Moving Occupations** major group is projected to gain 3,066 employees by the first quarter of 2017. Around 4,054 jobs are expected to be available each year of the projection period, of which 2,490 would be for replacement. *Material Moving Workers* is projected to add 1,411 new jobs with Laborers and Freight, Stock, and Material Movers, Hand predicted to gain 829 of those placing it sixth in the state in net growth. *Motor Vehicle Operators* is expected to experience a net gain of 1,284 jobs during the projection period. Driving this growth is Heavy and Tractor-Trailer Truck Drivers, which is projected to add 920 jobs to its workforce, placing it among the top 5 on the Top 20 Growing Occupations list. Wellhead Pumpers with a 14.00 percent decline could be among the five fastest declining occupations in the state.

## Top 20 Growing Occupations by Net Growth

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacements	Total Annual Openings
41-2031	Retail Salespersons	39,620	41,646	<b>2,026</b>	5.11%	1,013	1,482	2,495
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,101	55,419	<b>1,318</b>	2.44%	659	896	1,555
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	24,259	25,492	<b>1,233</b>	5.08%	616	944	1,560
39-9021	Personal Care Aides	16,673	17,660	<b>987</b>	5.92%	494	106	600
53-3032	Heavy and Tractor-Trailer Truck Drivers	36,679	37,599	<b>920</b>	2.51%	460	584	1,044
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	24,969	25,798	<b>829</b>	3.32%	414	770	1,184
43-4051	Customer Service Representatives	18,865	19,684	<b>819</b>	4.34%	410	438	848
43-9061	Office Clerks, General	32,470	33,285	<b>815</b>	2.51%	408	685	1,093
41-2011	Cashiers	31,488	32,284	<b>796</b>	2.53%	398	1,596	1,994
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,127	19,762	<b>635</b>	3.32%	318	344	662
11-1021	General and Operations Managers	17,963	18,543	<b>580</b>	3.23%	290	422	712
41-1011	First-Line Supervisors of Retail Sales Workers	17,582	18,153	<b>571</b>	3.25%	286	400	686
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	14,344	14,913	<b>569</b>	3.97%	284	288	572
35-3031	Waiters and Waitresses	19,316	19,884	<b>568</b>	2.94%	284	1,009	1,293
35-2014	Cooks, Restaurant	9,169	9,672	<b>503</b>	5.49%	252	247	499
29-1141	Registered Nurses	22,225	22,727	<b>502</b>	2.26%	251	490	741
43-5081	Stock Clerks and Order Fillers	16,539	17,024	<b>485</b>	2.93%	242	560	802
43-1011	First-Line Supervisors of Office and Administrative Support Workers	14,788	15,205	<b>417</b>	2.82%	208	232	440
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	21,472	21,849	<b>377</b>	1.76%	188	226	414
51-2092	Team Assemblers	13,765	14,142	<b>377</b>	2.74%	188	296	484

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

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacements	Total Annual Openings
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	1,608	1,879	271	16.85%	136	45	181
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	130	148	18	13.85%	9	2	11
49-9045	Refractory Materials Repairers, Except Brickmasons	56	63	7	12.50%	4	2	6
47-4041	Hazardous Materials Removal Workers	186	205	19	10.22%	10	4	14
43-5011	Cargo and Freight Agents	541	596	55	10.17%	28	16	44
51-4052	Pourers and Casters, Metal	89	98	9	10.11%	4	3	7
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	226	248	22	9.73%	11	4	15
53-7041	Hoist and Winch Operators	52	57	5	9.62%	2	2	4
49-3052	Motorcycle Mechanics	212	232	20	9.43%	10	4	14
15-2031	Operations Research Analysts	439	480	41	9.34%	20	6	26
53-4031	Railroad Conductors and Yardmasters	534	581	47	8.80%	24	20	44
47-2081	Drywall and Ceiling Tile Installers	440	478	38	8.64%	19	3	22
47-2132	Insulation Workers, Mechanical	154	167	13	8.44%	6	5	11
15-1122	Information Security Analysts	1,495	1,618	123	8.23%	62	16	78
53-7021	Crane and Tower Operators	959	1,036	77	8.03%	38	32	70
49-9097	Signal and Track Switch Repairers	150	162	12	8.00%	6	2	8
31-2011	Occupational Therapy Assistants	291	314	23	7.90%	12	8	20
47-2131	Insulation Workers, Floor, Ceiling, and Wall	232	250	18	7.76%	9	8	17
47-3013	Helpers--Electricians	488	524	36	7.38%	18	8	26
51-9122	Painters, Transportation Equipment	863	924	61	7.07%	30	16	46

## Top 20 Occupations by Total Annual Openings

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacements	Total Annual Openings
41-2031	Retail Salespersons	39,620	41,646	2,026	5.11%	1,013	1,482	<b>2,495</b>
41-2011	Cashiers	31,488	32,284	796	2.53%	398	1,596	<b>1,994</b>
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	24,259	25,492	1,233	5.08%	616	944	<b>1,560</b>
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,101	55,419	1,318	2.44%	659	896	<b>1,555</b>
35-3031	Waiters and Waitresses	19,316	19,884	568	2.94%	284	1,009	<b>1,293</b>
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	24,969	25,798	829	3.32%	414	770	<b>1,184</b>
43-9061	Office Clerks, General	32,470	33,285	815	2.51%	408	685	<b>1,093</b>
53-3032	Heavy and Tractor-Trailer Truck Drivers	36,679	37,599	920	2.51%	460	584	<b>1,044</b>
43-4051	Customer Service Representatives	18,865	19,684	819	4.34%	410	438	<b>848</b>
43-5081	Stock Clerks and Order Fillers	16,539	17,024	485	2.93%	242	560	<b>802</b>
29-1141	Registered Nurses	22,225	22,727	502	2.26%	251	490	<b>741</b>
11-1021	General and Operations Managers	17,963	18,543	580	3.23%	290	422	<b>712</b>
41-1011	First-Line Supervisors of Retail Sales Workers	17,582	18,153	571	3.25%	286	400	<b>686</b>
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,127	19,762	635	3.32%	318	344	<b>662</b>
39-9021	Personal Care Aides	16,673	17,660	987	5.92%	494	106	<b>600</b>
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	14,344	14,913	569	3.97%	284	288	<b>572</b>
39-9011	Childcare Workers	12,889	13,228	339	2.63%	170	394	<b>564</b>
35-2014	Cooks, Restaurant	9,169	9,672	503	5.49%	252	247	<b>499</b>
51-2092	Team Assemblers	13,765	14,142	377	2.74%	188	296	<b>484</b>
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	9,046	9,418	372	4.11%	186	289	<b>475</b>

## Top 20 Declining Occupations by Net Growth

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacements	Total Annual Openings
43-3071	Tellers	6,371	6,116	-255	-4.00%	0	280	280
47-5013	Service Unit Operators, Oil, Gas, and Mining	638	559	-79	-12.38%	0	22	22
47-5071	Roustabouts, Oil and Gas	562	491	-71	-12.63%	0	10	10
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	337	268	-69	-20.47%	0	12	12
51-7011	Cabinetmakers and Bench Carpenters	1,143	1,075	-68	-5.95%	0	10	10
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,148	1,084	-64	-5.57%	0	18	18
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	2,287	2,230	-57	-2.49%	0	31	31
35-2011	Cooks, Fast Food	10,560	10,513	-47	-0.45%	0	284	284
51-6042	Shoe Machine Operators and Tenders	452	405	-47	-10.40%	0	5	5
53-7073	Wellhead Pumpers	300	258	-42	-14.00%	0	11	11
51-4111	Tool and Die Makers	605	570	-35	-5.79%	0	3	3
51-6093	Upholsterers	822	788	-34	-4.14%	0	20	20
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	842	811	-31	-3.68%	0	34	34
47-5011	Derrick Operators, Oil and Gas	211	183	-28	-13.27%	0	7	7
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	668	640	-28	-4.19%	0	22	22
43-4141	New Accounts Clerks	650	624	-26	-4.00%	0	16	16
51-8092	Gas Plant Operators	153	130	-23	-15.03%	0	5	5
47-5081	Helpers--Extraction Workers	266	244	-22	-8.27%	0	2	2
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	784	762	-22	-2.81%	0	19	19
51-6021	Pressers, Textile, Garment, and Related Materials	491	469	-22	-4.48%	0	12	12



## Top 20 Fastest Declining Occupations by Percent Growth (Minimum Decline of 5)

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacements	Total Annual Openings
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	337	268	-69	<b>-20.47%</b>	0	12	12
51-8092	Gas Plant Operators	153	130	-23	<b>-15.03%</b>	0	5	5
53-7073	Wellhead Pumpers	300	258	-42	<b>-14.00%</b>	0	11	11
47-5011	Derrick Operators, Oil and Gas	211	183	-28	<b>-13.27%</b>	0	7	7
47-5071	Roustabouts, Oil and Gas	562	491	-71	<b>-12.63%</b>	0	10	10
47-5012	Rotary Drill Operators, Oil and Gas	88	77	-11	<b>-12.50%</b>	0	3	3
47-5013	Service Unit Operators, Oil, Gas, and Mining	638	559	-79	<b>-12.38%</b>	0	22	22
51-7021	Furniture Finishers	192	170	-22	<b>-11.46%</b>	0	4	4
51-4062	Patternmakers, Metal and Plastic	45	40	-5	<b>-11.11%</b>	0	1	1
51-6042	Shoe Machine Operators and Tenders	452	405	-47	<b>-10.40%</b>	0	5	5
47-5081	Helpers--Extraction Workers	266	244	-22	<b>-8.27%</b>	0	2	2
51-4071	Foundry Mold and Coremakers	81	76	-5	<b>-6.17%</b>	0	2	2
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	115	108	-7	<b>-6.09%</b>	0	2	2
51-7011	Cabinetmakers and Bench Carpenters	1,143	1,075	-68	<b>-5.95%</b>	0	10	10
51-4111	Tool and Die Makers	605	570	-35	<b>-5.79%</b>	0	3	3
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,148	1,084	-64	<b>-5.57%</b>	0	18	18
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	300	286	-14	<b>-4.67%</b>	0	6	6
19-2042	Geoscientists, Except Hydrologists and Geographers	108	103	-5	<b>-4.63%</b>	0	3	3
51-6021	Pressers, Textile, Garment, and Related Materials	491	469	-22	<b>-4.48%</b>	0	12	12
45-4021	Fallers	413	395	-18	<b>-4.36%</b>	0	10	10

# 2015-2017 Arkansas Statewide Occupational Projections

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
00-0000	TOTAL, ALL OCCUPATIONS	1,318,807	1,353,511	34,704	2.63%	18,184	30,906	49,090			
11-0000	MANAGEMENT OCCUPATIONS	120,657	123,939	3,282	2.72%	1,642	2,328	3,970			
<i>11-1000</i>	<i>Top Executives</i>	<i>21,960</i>	<i>22,580</i>	<i>620</i>	<i>2.82%</i>	<i>310</i>	<i>492</i>	<i>802</i>			
11-1011	Chief Executives	2,961	2,990	29	0.98%	14	50	64	3	1	6
11-1021	General and Operations Managers	17,963	18,543	580	3.23%	290	422	712	3	1	6
11-1031	Legislators	1,036	1,047	11	1.06%	6	21	27	3	2	6
<i>11-2000</i>	<i>Advertising, Marketing, Promotions, Public Relations, and Sales Managers</i>	<i>5,106</i>	<i>5,341</i>	<i>235</i>	<i>4.60%</i>	<i>118</i>	<i>119</i>	<i>237</i>			
11-2011	Advertising and Promotions Managers	272	281	9	3.31%	4	9	13	3	2	6
11-2021	Marketing Managers	1,136	1,197	61	5.37%	30	25	55	3	1	6
11-2022	Sales Managers	3,388	3,544	156	4.60%	78	75	153	3	2	6
11-2031	Public Relations and Fundraising Managers	310	319	9	2.90%	4	10	14	3	1	6
<i>11-3000</i>	<i>Operations Specialties Managers</i>	<i>12,302</i>	<i>12,713</i>	<i>411</i>	<i>3.34%</i>	<i>206</i>	<i>243</i>	<i>449</i>			
11-3011	Administrative Services Managers	2,181	2,256	75	3.44%	38	35	73	3	2	6
11-3021	Computer and Information Systems Managers	1,753	1,850	97	5.53%	48	15	63	3	1	6
11-3031	Financial Managers	2,861	2,939	78	2.73%	39	62	101	3	1	6
11-3051	Industrial Production Managers	1,959	2,001	42	2.14%	21	50	71	3	1	6
11-3061	Purchasing Managers	540	555	15	2.78%	8	11	19	3	1	6
11-3071	Transportation, Storage, and Distribution Managers	1,826	1,878	52	2.85%	26	36	62	7	1	6
11-3111	Compensation and Benefits Managers	178	186	8	4.49%	4	5	9	3	1	6
11-3121	Human Resources Managers	719	748	29	4.03%	14	20	34	3	1	6
11-3131	Training and Development Managers	285	300	15	5.26%	8	8	16	3	1	6
<i>11-9000</i>	<i>Other Management Occupations</i>	<i>81,289</i>	<i>83,305</i>	<i>2,016</i>	<i>2.48%</i>	<i>1,008</i>	<i>1,474</i>	<i>2,482</i>			
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,101	55,419	1,318	2.44%	659	896	1,555	7	1	6
11-9021	Construction Managers	3,237	3,319	82	2.53%	41	47	88	3	3	4
11-9031	Education Administrators, Preschool and Childcare Center/Program	753	774	21	2.79%	10	22	32	3	2	6
11-9032	Education Administrators, Elementary and Secondary School	2,273	2,286	13	0.57%	6	67	73	2	1	6
11-9033	Education Administrators, Postsecondary	1,435	1,464	29	2.02%	14	42	56	2	2	6
11-9041	Architectural and Engineering Managers	635	634	-1	-0.16%	0	17	17	3	1	6
11-9051	Food Service Managers	2,702	2,799	97	3.59%	48	51	99	7	2	6
11-9061	Funeral Service Managers	507	517	10	1.97%	5	10	15	4	2	6
11-9081	Lodging Managers	674	698	24	3.56%	12	13	25	7	2	6

\*For training codes, refer to page 89.

# 2015-2017 Arkansas Statewide Occupational Projections

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings- Replacement	Total Annual Openings	Education*	Work Experience*	Training*
11-9111	Medical and Health Services Managers	2,944	3,016	72	2.45%	36	70	106	3	2	6
11-9121	Natural Sciences Managers	315	320	5	1.59%	2	6	8	3	1	6
11-9131	Postmasters and Mail Superintendents	313	318	5	1.60%	2	6	8	7	2	4
11-9141	Property, Real Estate, and Community Association Managers	2,969	3,060	91	3.07%	46	46	92	7	2	6
11-9151	Social and Community Service Managers	1,284	1,327	43	3.35%	22	33	55	3	1	6
11-9161	Emergency Management Directors	118	121	3	2.54%	2	1	3	3	1	6
11-9199	Managers, All Other	6,929	7,133	204	2.94%	102	142	244	3	2	6
<b>13-0000</b>	<b>BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS</b>	<b>48,024</b>	<b>49,615</b>	<b>1,591</b>	<b>3.31%</b>	<b>804</b>	<b>916</b>	<b>1,720</b>			
<i>13-1000</i>	<i>Business Operations Specialists</i>	<i>32,029</i>	<i>33,166</i>	<i>1,137</i>	<i>3.55%</i>	<i>575</i>	<i>544</i>	<i>1,119</i>			
13-1021	Buyers and Purchasing Agents, Farm Products	257	267	10	3.89%	5	5	10	3	3	3
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	1,639	1,671	32	1.95%	16	44	60	3	3	3
13-1031	Claims Adjusters, Examiners, and Investigators	1,386	1,394	8	0.58%	4	32	36	7	3	3
13-1032	Insurance Appraisers, Auto Damage	64	67	3	4.69%	2	2	4	5	3	4
13-1041	Compliance Officers	1,995	2,024	29	1.45%	14	26	40	3	3	4
13-1051	Cost Estimators	1,077	1,120	43	3.99%	22	30	52	3	3	6
13-1071	Human Resources Specialists	2,549	2,613	64	2.51%	32	58	90	3	3	6
13-1075	Labor Relations Specialists	623	610	-13	-2.09%	0	14	14	3	2	6
13-1081	Logisticians	864	906	42	4.86%	21	7	28	3	3	6
13-1111	Management Analysts	4,351	4,496	145	3.33%	72	51	123	3	2	6
13-1121	Meeting, Convention, and Event Planners	335	341	6	1.79%	3	4	7	3	3	6
13-1131	Fundraisers	231	245	14	6.06%	7	3	10	3	3	6
13-1141	Compensation, Benefits, and Job Analysis Specialists	645	660	15	2.33%	8	15	23	3	2	6
13-1151	Training and Development Specialists	1,615	1,677	62	3.84%	31	37	68	3	2	6
13-1161	Market Research Analysts and Marketing Specialists	2,494	2,656	162	6.50%	81	26	107	3	3	6
13-1199	Business Operations Specialists, All Other	8,683	9,031	348	4.01%	174	90	264	3	3	6
<i>13-2000</i>	<i>Financial Specialists</i>	<i>15,995</i>	<i>16,449</i>	<i>454</i>	<i>2.84%</i>	<i>229</i>	<i>373</i>	<i>602</i>			
13-2011	Accountants and Auditors	7,228	7,515	287	3.97%	144	189	333	3	3	6
13-2021	Appraisers and Assessors of Real Estate	1,059	1,083	24	2.27%	12	19	31	3	3	3
13-2031	Budget Analysts	488	497	9	1.84%	4	12	16	3	3	6
13-2041	Credit Analysts	307	315	8	2.61%	4	14	18	3	3	6
13-2051	Financial Analysts	846	871	25	2.96%	12	14	26	3	3	6

# 2015-2017 Arkansas Statewide Occupational Projections

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings- Replacement	Total Annual Openings	Education*	Work Experience*	Training*
13-2052	Personal Financial Advisors	1,124	1,184	60	5.34%	30	28	58	3	3	3
13-2053	Insurance Underwriters	255	251	-4	-1.57%	0	4	4	3	3	4
13-2061	Financial Examiners	184	191	7	3.80%	4	4	8	3	3	4
13-2071	Credit Counselors	88	90	2	2.27%	1	2	3	3	3	4
13-2072	Loan Officers	2,297	2,297	0	0.00%	0	39	39	3	3	4
13-2081	Tax Examiners and Collectors, and Revenue Agents	648	655	7	1.08%	4	24	28	3	3	4
13-2082	Tax Preparers	945	967	22	2.33%	11	21	32	7	3	4
13-2099	Financial Specialists, All Other	526	533	7	1.33%	4	3	7	3	3	4
<b>15-0000</b>	<b>COMPUTER AND MATHEMATICAL OCCUPATIONS</b>	<b>22,373</b>	<b>23,420</b>	<b>1,047</b>	<b>4.68%</b>	<b>524</b>	<b>308</b>	<b>832</b>			
<i>15-1100</i>	<i>Computer Occupations</i>	<i>21,732</i>	<i>22,728</i>	<i>996</i>	<i>4.58%</i>	<i>498</i>	<i>299</i>	<i>797</i>			
15-1121	Computer Systems Analysts	2,769	2,953	184	6.64%	92	30	122	3	3	6
15-1122	Information Security Analysts	1,495	1,618	123	8.23%	62	16	78	3	2	6
15-1131	Computer Programmers	3,562	3,634	72	2.02%	36	86	122	3	3	6
15-1132	Software Developers, Applications	2,149	2,300	151	7.03%	76	26	102	3	3	6
15-1133	Software Developers, Systems Software	1,084	1,159	75	6.92%	38	14	52	3	3	6
15-1134	Web Developers	577	613	36	6.24%	18	6	24	4	3	6
15-1141	Database Administrators	1,066	1,132	66	6.19%	33	20	53	3	2	6
15-1142	Network and Computer Systems Administrators	2,664	2,759	95	3.57%	48	30	78	3	3	6
15-1143	Computer Network Architects	1,358	1,422	64	4.71%	32	15	47	3	1	6
15-1151	Computer User Support Specialists	3,569	3,667	98	2.75%	49	40	89	6	3	6
15-1152	Computer Network Support Specialists	877	905	28	3.19%	14	10	24	4	3	6
<i>15-2000</i>	<i>Mathematical Science Occupations</i>	<i>641</i>	<i>692</i>	<i>51</i>	<i>7.96%</i>	<i>26</i>	<i>10</i>	<i>36</i>			
15-2031	Operations Research Analysts	439	480	41	9.34%	20	6	26	3	3	6
15-2041	Statisticians	153	162	9	5.88%	4	2	6	2	3	6
<b>17-0000</b>	<b>ARCHITECTURE AND ENGINEERING OCCUPATIONS</b>	<b>12,052</b>	<b>12,182</b>	<b>130</b>	<b>1.08%</b>	<b>92</b>	<b>288</b>	<b>380</b>			
<i>17-1000</i>	<i>Architects, Surveyors, and Cartographers</i>	<i>1,265</i>	<i>1,262</i>	<i>-3</i>	<i>-0.24%</i>	<i>4</i>	<i>28</i>	<i>32</i>			
17-1011	Architects, Except Landscape and Naval	661	662	1	0.15%	0	11	11	3	3	2
17-1012	Landscape Architects	98	100	2	2.04%	1	2	3	3	3	2
17-1021	Cartographers and Photogrammetrists	41	45	4	9.76%	2	1	3	3	3	6
17-1022	Surveyors	465	455	-10	-2.15%	0	14	14	3	2	6
<i>17-2000</i>	<i>Engineers</i>	<i>7,068</i>	<i>7,199</i>	<i>131</i>	<i>1.85%</i>	<i>70</i>	<i>190</i>	<i>260</i>			
17-2021	Agricultural Engineers	80	84	4	5.00%	2	2	4	3	3	6
17-2031	Biomedical Engineers	28	28	0	0.00%	0	0	0	3	3	6

\*For training codes, refer to page 89.

# 2015-2017 Arkansas Statewide Occupational Projections

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings- Replacement	Total Annual Openings	Education*	Work Experience*	Training*
17-2041	Chemical Engineers	196	196	0	0.00%	0	5	5	3	3	6
17-2051	Civil Engineers	1,282	1,282	0	0.00%	0	36	36	3	3	6
17-2061	Computer Hardware Engineers	103	109	6	5.83%	3	2	5	3	3	6
17-2071	Electrical Engineers	830	827	-3	-0.36%	0	18	18	3	3	6
17-2072	Electronics Engineers, Except Computer	367	377	10	2.72%	5	8	13	3	3	6
17-2081	Environmental Engineers	212	218	6	2.83%	3	6	9	3	3	6
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	95	98	3	3.16%	2	2	4	3	3	6
17-2112	Industrial Engineers	1,652	1,699	47	2.85%	24	47	71	3	3	6
17-2131	Materials Engineers	133	136	3	2.26%	2	4	6	3	3	6
17-2141	Mechanical Engineers	1,296	1,338	42	3.24%	21	41	62	3	3	6
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	29	29	0	0.00%	0	0	0	3	3	6
17-2171	Petroleum Engineers	75	71	-4	-5.33%	0	2	2	3	3	6
17-2199	Engineers, All Other	409	420	11	2.69%	6	8	14	3	3	6
<b>17-3000</b>	<b><i>Drafters, Engineering Technicians, and Mapping Technicians</i></b>	<b>3,719</b>	<b>3,721</b>	<b>2</b>	<b>0.05%</b>	<b>18</b>	<b>72</b>	<b>90</b>			
17-3011	Architectural and Civil Drafters	509	500	-9	-1.77%	0	6	6	4	3	6
17-3012	Electrical and Electronics Drafters	152	153	1	0.66%	0	2	2	4	3	6
17-3013	Mechanical Drafters	332	331	-1	-0.30%	0	4	4	4	3	6
17-3019	Drafters, All Other	48	49	1	2.08%	0	0	0	4	3	6
17-3022	Civil Engineering Technicians	288	286	-2	-0.69%	0	7	7	4	3	6
17-3023	Electrical and Electronics Engineering Technicians	620	624	4	0.65%	2	15	17	4	3	6
17-3025	Environmental Engineering Technicians	218	223	5	2.29%	2	5	7	4	3	6
17-3026	Industrial Engineering Technicians	510	524	14	2.75%	7	12	19	4	3	6
17-3027	Mechanical Engineering Technicians	284	293	9	3.17%	4	7	11	4	3	6
17-3029	Engineering Technicians, Except Drafters, All Other	236	230	-6	-2.54%	0	6	6	4	3	6
17-3031	Surveying and Mapping Technicians	460	444	-16	-3.48%	0	6	6	7	3	4
<b>19-0000</b>	<b>LIFE, PHYSICAL, AND SOCIAL SCIENCE OCCUPATIONS</b>	<b>7,884</b>	<b>8,001</b>	<b>117</b>	<b>1.48%</b>	<b>71</b>	<b>226</b>	<b>297</b>			
<b>19-1000</b>	<b><i>Life Scientists</i></b>	<b>2,398</b>	<b>2,434</b>	<b>36</b>	<b>1.50%</b>	<b>21</b>	<b>78</b>	<b>99</b>			
19-1011	Animal Scientists	56	57	1	1.79%	0	2	2	3	3	6
19-1012	Food Scientists and Technologists	362	376	14	3.87%	7	12	19	3	3	6
19-1013	Soil and Plant Scientists	125	128	3	2.40%	2	4	6	3	3	6

\*For training codes, refer to page 89.

# 2015-2017 Arkansas Statewide Occupational Projections

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
19-1021	Biochemists and Biophysicists	41	43	2	4.88%	1	1	2	1	3	6
19-1022	Microbiologists	179	180	1	0.56%	0	4	4	3	3	6
19-1023	Zoologists and Wildlife Biologists	189	190	1	0.53%	0	4	4	3	3	6
19-1031	Conservation Scientists	537	539	2	0.37%	1	21	22	3	3	6
19-1032	Foresters	328	335	7	2.13%	4	12	16	3	3	6
19-1041	Epidemiologists	41	43	2	4.88%	1	2	3	2	3	6
19-1042	Medical Scientists, Except Epidemiologists	221	229	8	3.62%	4	7	11	1	3	6
<b>19-2000</b>	<b>Physical Scientists</b>	<b>992</b>	<b>999</b>	<b>7</b>	<b>0.71%</b>	<b>7</b>	<b>24</b>	<b>31</b>			
19-2021	Atmospheric and Space Scientists	40	39	-1	-2.50%	0	0	0	3	3	6
19-2031	Chemists	476	480	4	0.84%	2	10	12	3	3	6
19-2041	Environmental Scientists and Specialists, Including Health	302	312	10	3.31%	5	9	14	3	3	6
19-2042	Geoscientists, Except Hydrologists and Geographers	108	103	-5	-4.63%	0	3	3	3	3	6
19-2043	Hydrologists	29	29	0	0.00%	0	1	1	3	3	6
19-2099	Physical Scientists, All Other	31	30	-1	-3.23%	0	0	0	3	3	6
<b>19-3000</b>	<b>Social Scientists and Related Workers</b>	<b>1,544</b>	<b>1,570</b>	<b>26</b>	<b>1.68%</b>	<b>15</b>	<b>28</b>	<b>43</b>			
19-3011	Economists	64	66	2	3.13%	1	2	3	2	3	6
19-3022	Survey Researchers	44	47	3	6.82%	2	0	2	2	3	6
19-3031	Clinical, Counseling, and School Psychologists	920	942	22	2.39%	11	18	29	1	3	2
19-3039	Psychologists, All Other	102	100	-2	-1.96%	0	2	2	2	3	2
19-3051	Urban and Regional Planners	117	120	3	2.56%	2	2	4	2	3	6
19-3091	Anthropologists and Archeologists	21	20	-1	-4.76%	0	0	0	2	3	6
19-3099	Social Scientists and Related Workers, All Other	257	256	-1	-0.39%	0	2	2	3	3	6
<b>19-4000</b>	<b>Life, Physical, and Social Science Technicians</b>	<b>2,950</b>	<b>2,998</b>	<b>48</b>	<b>1.63%</b>	<b>28</b>	<b>96</b>	<b>124</b>			
19-4011	Agricultural and Food Science Technicians	683	698	15	2.20%	8	18	26	4	3	4
19-4021	Biological Technicians	571	577	6	1.05%	3	17	20	3	3	6
19-4031	Chemical Technicians	587	598	11	1.87%	6	17	23	4	3	4
19-4061	Social Science Research Assistants	72	73	1	1.39%	0	3	3	3	3	6
19-4091	Environmental Science and Protection Technicians, Including Health	220	230	10	4.55%	5	9	14	4	3	6
19-4092	Forensic Science Technicians	151	160	9	5.96%	4	6	10	3	3	4
19-4093	Forest and Conservation Technicians	232	226	-6	-2.59%	0	10	10	4	3	6
19-4099	Life, Physical, and Social Science Technicians, All Other	305	309	4	1.31%	2	12	14	4	3	6

\*For training codes, refer to page 89.

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SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings- Replacement	Total Annual Openings	Education*	Work Experience*	Training*
<b>21-0000</b>	<b>COMMUNITY AND SOCIAL SERVICE OCCUPATIONS</b>	<b>26,438</b>	<b>27,270</b>	<b>832</b>	<b>3.15%</b>	<b>416</b>	<b>539</b>	<b>955</b>			
<i>21-1000</i>	<i>Counselors, Social Workers, and Other Community and Social Service Specialists</i>	<i>13,696</i>	<i>14,092</i>	<i>396</i>	<i>2.89%</i>	<i>198</i>	<i>274</i>	<i>472</i>			
21-1011	Substance Abuse and Behavioral Disorder Counselors	559	579	20	3.58%	10	11	21	3	3	6
21-1012	Educational, Guidance, School, and Vocational Counselors	2,036	2,060	24	1.18%	12	40	52	2	3	6
21-1013	Marriage and Family Therapists	324	338	14	4.32%	7	6	13	2	3	2
21-1014	Mental Health Counselors	731	762	31	4.24%	16	14	30	2	3	2
21-1015	Rehabilitation Counselors	321	329	8	2.49%	4	6	10	2	3	6
21-1019	Counselors, All Other	148	153	5	3.38%	2	3	5	2	3	6
21-1021	Child, Family, and School Social Workers	1,421	1,456	35	2.46%	18	33	51	3	3	6
21-1022	Healthcare Social Workers	1,090	1,122	32	2.94%	16	26	42	2	3	6
21-1023	Mental Health and Substance Abuse Social Workers	735	763	28	3.81%	14	17	31	3	3	6
21-1029	Social Workers, All Other	658	664	6	0.91%	3	16	19	3	3	6
21-1091	Health Educators	360	369	9	2.50%	4	6	10	3	3	6
21-1092	Probation Officers and Correctional Treatment Specialists	987	1,007	20	2.03%	10	18	28	3	3	5
21-1093	Social and Human Service Assistants	3,512	3,640	128	3.64%	64	63	127	7	3	5
21-1094	Community Health Workers	422	440	18	4.27%	9	8	17	7	3	5
21-1099	Community and Social Service Specialists, All Other	392	410	18	4.59%	9	7	16	2	3	6
<i>21-2000</i>	<i>Religious Workers</i>	<i>12,742</i>	<i>13,178</i>	<i>436</i>	<i>3.42%</i>	<i>218</i>	<i>264</i>	<i>482</i>			
21-2011	Clergy	8,680	8,971	291	3.35%	146	182	328	3	3	4
21-2021	Directors, Religious Activities and Education	982	1,014	32	3.26%	16	24	40	3	2	6
21-2099	Religious Workers, All Other	3,080	3,193	113	3.67%	56	58	114	3	3	6
<b>23-0000</b>	<b>LEGAL OCCUPATIONS</b>	<b>8,143</b>	<b>8,344</b>	<b>201</b>	<b>2.47%</b>	<b>100</b>	<b>124</b>	<b>224</b>			
<i>23-1000</i>	<i>Lawyers, Judges, and Related Workers</i>	<i>5,554</i>	<i>5,703</i>	<i>149</i>	<i>2.68%</i>	<i>74</i>	<i>74</i>	<i>148</i>			
23-1011	Lawyers	4,633	4,769	136	2.94%	68	60	128	1	3	6
23-1012	Judicial Law Clerks	94	94	0	0.00%	0	2	2	1	3	6
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	437	443	6	1.37%	3	6	9	1	1	5
23-1022	Arbitrators, Mediators, and Conciliators	25	26	1	4.00%	0	0	0	3	2	4
23-1023	Judges, Magistrate Judges, and Magistrates	365	371	6	1.64%	3	5	8	1	1	5
<i>23-2000</i>	<i>Legal Support Workers</i>	<i>2,589</i>	<i>2,641</i>	<i>52</i>	<i>2.01%</i>	<i>26</i>	<i>51</i>	<i>77</i>			

\*For training codes, refer to page 89.

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SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
23-2011	Paralegals and Legal Assistants	1,382	1,425	43	3.11%	22	27	49	4	3	6
23-2091	Court Reporters	183	184	1	0.55%	0	4	4	5	3	5
23-2093	Title Examiners, Abstractors, and Searchers	676	677	1	0.15%	0	14	14	7	3	5
23-2099	Legal Support Workers, All Other	348	355	7	2.01%	4	7	11	7	3	5
<b>25-0000</b>	<b>EDUCATION, TRAINING, AND LIBRARY OCCUPATIONS</b>	<b>71,592</b>	<b>72,393</b>	<b>801</b>	<b>1.12%</b>	<b>408</b>	<b>1,513</b>	<b>1,921</b>			
<i>25-1000</i>	<i>Postsecondary Teachers</i>	<i>12,789</i>	<i>13,121</i>	<i>332</i>	<i>2.60%</i>	<i>167</i>	<i>208</i>	<i>375</i>			
25-1011	Business Teachers, Postsecondary	802	822	20	2.49%	10	13	23	1	3	6
25-1021	Computer Science Teachers, Postsecondary	287	293	6	2.09%	3	4	7	1	3	6
25-1022	Mathematical Science Teachers, Postsecondary	474	487	13	2.74%	6	8	14	1	3	6
25-1031	Architecture Teachers, Postsecondary	66	68	2	3.03%	1	1	2	1	3	6
25-1032	Engineering Teachers, Postsecondary	265	275	10	3.77%	5	4	9	1	3	6
25-1041	Agricultural Sciences Teachers, Postsecondary	226	230	4	1.77%	2	4	6	1	3	6
25-1042	Biological Science Teachers, Postsecondary	417	431	14	3.36%	7	7	14	1	3	6
25-1043	Forestry and Conservation Science Teachers, Postsecondary	27	28	1	3.70%	0	0	0	1	3	6
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	79	80	1	1.27%	0	2	2	1	3	6
25-1052	Chemistry Teachers, Postsecondary	214	221	7	3.27%	4	4	8	1	3	6
25-1053	Environmental Science Teachers, Postsecondary	60	62	2	3.33%	1	1	2	1	3	6
25-1054	Physics Teachers, Postsecondary	108	111	3	2.78%	2	2	4	1	3	6
25-1061	Anthropology and Archeology Teachers, Postsecondary	107	110	3	2.80%	2	2	4	1	3	6
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	21	22	1	4.76%	0	0	0	1	3	6
25-1063	Economics Teachers, Postsecondary	93	96	3	3.23%	2	2	4	1	3	6
25-1064	Geography Teachers, Postsecondary	39	40	1	2.56%	0	0	0	1	3	6
25-1065	Political Science Teachers, Postsecondary	104	107	3	2.88%	2	2	4	1	3	6
25-1066	Psychology Teachers, Postsecondary	235	242	7	2.98%	4	4	8	1	3	6
25-1067	Sociology Teachers, Postsecondary	144	148	4	2.78%	2	2	4	1	3	6
25-1069	Social Sciences Teachers, Postsecondary, All Other	49	49	0	0.00%	0	1	1	1	3	6
25-1071	Health Specialties Teachers, Postsecondary	1,253	1,300	47	3.75%	24	20	44	1	2	6
25-1072	Nursing Instructors and Teachers, Postsecondary	574	595	21	3.66%	10	10	20	2	2	6
25-1081	Education Teachers, Postsecondary	748	768	20	2.67%	10	12	22	1	2	6
25-1082	Library Science Teachers, Postsecondary	26	26	0	0.00%	0	0	0	1	3	6

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SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	123	129	6	4.88%	3	2	5	1	3	6
25-1112	Law Teachers, Postsecondary	112	118	6	5.36%	3	2	5	1	3	6
25-1113	Social Work Teachers, Postsecondary	113	117	4	3.54%	2	2	4	1	3	6
25-1121	Art, Drama, and Music Teachers, Postsecondary	641	657	16	2.50%	8	10	18	2	3	6
25-1122	Communications Teachers, Postsecondary	295	303	8	2.71%	4	5	9	1	3	6
25-1123	English Language and Literature Teachers, Postsecondary	577	588	11	1.91%	6	10	16	1	3	6
25-1124	Foreign Language and Literature Teachers, Postsecondary	222	227	5	2.25%	2	4	6	1	3	6
25-1125	History Teachers, Postsecondary	255	261	6	2.35%	3	4	7	1	3	6
25-1126	Philosophy and Religion Teachers, Postsecondary	169	174	5	2.96%	2	2	4	1	3	6
25-1191	Graduate Teaching Assistants	1,116	1,138	22	1.97%	11	18	29	3	3	6
25-1192	Home Economics Teachers, Postsecondary	74	72	-2	-2.70%	0	1	1	2	3	6
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	464	477	13	2.80%	6	8	14	1	3	6
25-1194	Vocational Education Teachers, Postsecondary	1,089	1,101	12	1.10%	6	18	24	3	2	6
25-1199	Postsecondary Teachers, All Other	1,121	1,148	27	2.41%	14	18	32	1	3	6
<b>25-2000</b>	<b><i>Preschool, Primary, Secondary, and Special Education School Teachers</i></b>	<b>36,904</b>	<b>37,129</b>	<b>225</b>	<b>0.61%</b>	<b>116</b>	<b>860</b>	<b>976</b>			
25-2011	Preschool Teachers, Except Special Education	2,371	2,431	60	2.53%	30	69	99	4	3	6
25-2012	Kindergarten Teachers, Except Special Education	1,891	1,900	9	0.48%	4	55	59	3	3	2
25-2021	Elementary School Teachers, Except Special Education	11,544	11,598	54	0.47%	27	256	283	3	3	2
25-2022	Middle School Teachers, Except Special and Career/Technical Education	6,425	6,456	31	0.48%	16	142	158	3	3	2
25-2023	Career/Technical Education Teachers, Middle School	314	315	1	0.32%	0	7	7	3	2	2
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	9,487	9,527	40	0.42%	20	236	256	3	3	2
25-2032	Career/Technical Education Teachers, Secondary School	1,050	1,044	-6	-0.57%	0	26	26	3	2	2
25-2051	Special Education Teachers, Preschool	380	399	19	5.00%	10	7	17	3	3	2
25-2052	Special Education Teachers, Kindergarten and Elementary School	1,052	1,061	9	0.86%	4	19	23	3	3	2
25-2053	Special Education Teachers, Middle School	695	698	3	0.43%	2	12	14	3	3	2
25-2054	Special Education Teachers, Secondary School	1,383	1,389	6	0.43%	3	25	28	3	3	2

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SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings- Replacement	Total Annual Openings	Education*	Work Experience*	Training*
25-2059	Special Education Teachers, All Other	312	311	-1	-0.32%	0	6	6	3	3	2
<b>25-3000</b>	<b><i>Other Teachers and Instructors</i></b>	<b>8,016</b>	<b>8,110</b>	<b>94</b>	<b>1.17%</b>	<b>47</b>	<b>146</b>	<b>193</b>			
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	759	767	8	1.05%	4	14	18	3	3	2
25-3021	Self-Enrichment Education Teachers	1,043	1,071	28	2.68%	14	19	33	7	2	6
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	1,144	1,161	17	1.49%	8	21	29	3	3	2
25-3098	Substitute Teachers	4,917	4,955	38	0.77%	19	90	109	3	3	2
25-3099	Teachers and Instructors, All Other	153	156	3	1.96%	2	3	5	3	3	2
<b>25-4000</b>	<b><i>Librarians, Curators, and Archivists</i></b>	<b>2,429</b>	<b>2,444</b>	<b>15</b>	<b>0.62%</b>	<b>10</b>	<b>76</b>	<b>86</b>			
25-4011	Archivists	88	90	2	2.27%	1	2	3	2	3	6
25-4012	Curators	82	86	4	4.88%	2	2	4	2	3	6
25-4013	Museum Technicians and Conservators	110	114	4	3.64%	2	3	5	3	3	6
25-4021	Librarians	1,397	1,391	-6	-0.43%	0	28	28	2	3	6
25-4031	Library Technicians	752	763	11	1.46%	6	40	46	5	3	6
<b>25-9000</b>	<b><i>Other Education, Training, and Library Occupations</i></b>	<b>11,454</b>	<b>11,589</b>	<b>135</b>	<b>1.18%</b>	<b>68</b>	<b>222</b>	<b>290</b>			
25-9011	Audio-Visual and Multimedia Collections Specialists	149	149	0	0.00%	0	1	1	3	2	6
25-9021	Farm and Home Management Advisors	302	314	12	3.97%	6	2	8	2	3	6
25-9031	Instructional Coordinators	1,763	1,778	15	0.85%	8	12	20	2	1	6
25-9041	Teacher Assistants	8,988	9,092	104	1.16%	52	206	258	6	3	6
25-9099	Education, Training, and Library Workers, All Other	252	256	4	1.59%	2	2	4	3	3	6
<b>27-0000</b>	<b>ARTS, DESIGN, ENTERTAINMENT, SPORTS, AND MEDIA OCCUPATIONS</b>	<b>12,895</b>	<b>13,022</b>	<b>127</b>	<b>0.98%</b>	<b>94</b>	<b>305</b>	<b>399</b>			
<b>27-1000</b>	<b><i>Art and Design Workers</i></b>	<b>3,217</b>	<b>3,240</b>	<b>23</b>	<b>0.71%</b>	<b>20</b>	<b>74</b>	<b>94</b>			
27-1011	Art Directors	306	311	5	1.63%	2	6	8	3	1	6
27-1012	Craft Artists	33	35	2	6.06%	1	0	1	8	3	3
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	157	160	3	1.91%	2	3	5	3	3	3
27-1014	Multimedia Artists and Animators	75	75	0	0.00%	0	2	2	3	3	4
27-1019	Artists and Related Workers, All Other	22	22	0	0.00%	0	0	0	8	3	3
27-1021	Commercial and Industrial Designers	136	137	1	0.74%	0	3	3	3	3	6
27-1023	Floral Designers	441	424	-17	-3.85%	0	10	10	7	3	4
27-1024	Graphic Designers	1,190	1,191	1	0.08%	0	28	28	3	3	6
27-1025	Interior Designers	151	150	-1	-0.66%	0	4	4	3	3	6

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27-1026	Merchandise Displayers and Window Trimmers	639	666	27	4.23%	14	15	29	7	3	4
<b>27-2000</b>	<b><i>Entertainers and Performers, Sports and Related Workers</i></b>	<b>3,509</b>	<b>3,562</b>	<b>53</b>	<b>1.51%</b>	<b>28</b>	<b>110</b>	<b>138</b>			
27-2012	Producers and Directors	370	373	3	0.81%	2	12	14	3	2	6
27-2022	Coaches and Scouts	1,747	1,769	22	1.26%	11	58	69	3	3	6
27-2041	Music Directors and Composers	555	564	9	1.62%	4	15	19	3	2	6
27-2042	Musicians and Singers	536	549	13	2.43%	6	14	20	8	3	3
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	48	50	2	4.17%	1	2	3	8	3	5
<b>27-3000</b>	<b><i>Media and Communication Workers</i></b>	<b>4,299</b>	<b>4,325</b>	<b>26</b>	<b>0.60%</b>	<b>31</b>	<b>86</b>	<b>117</b>			
27-3011	Radio and Television Announcers	438	426	-12	-2.74%	0	12	12	3	3	5
27-3012	Public Address System and Other Announcers	23	23	0	0.00%	0	0	0	7	3	5
27-3021	Broadcast News Analysts	42	41	-1	-2.38%	0	2	2	3	3	6
27-3022	Reporters and Correspondents	416	402	-14	-3.37%	0	14	14	3	3	6
27-3031	Public Relations Specialists	1,193	1,226	33	2.77%	16	12	28	3	3	6
27-3041	Editors	593	584	-9	-1.52%	0	20	20	3	2	6
27-3042	Technical Writers	186	191	5	2.69%	2	4	6	3	2	5
27-3043	Writers and Authors	1,236	1,256	20	1.62%	10	19	29	3	3	4
27-3091	Interpreters and Translators	124	128	4	3.23%	2	2	4	3	3	5
27-3099	Media and Communication Workers, All Other	48	48	0	0.00%	0	0	0	7	3	5
<b>27-4000</b>	<b><i>Media and Communication Equipment Workers</i></b>	<b>1,870</b>	<b>1,895</b>	<b>25</b>	<b>1.34%</b>	<b>14</b>	<b>36</b>	<b>50</b>			
27-4011	Audio and Video Equipment Technicians	291	294	3	1.03%	2	5	7	5	3	5
27-4012	Broadcast Technicians	112	111	-1	-0.89%	0	2	2	4	3	5
27-4021	Photographers	1,036	1,052	16	1.54%	8	25	33	7	3	3
27-4031	Camera Operators, Television, Video, and Motion Picture	86	86	0	0.00%	0	0	0	3	3	6
27-4032	Film and Video Editors	188	195	7	3.72%	4	2	6	3	3	6
27-4099	Media and Communication Equipment Workers, All Other	100	101	1	1.00%	0	2	2	7	3	5
<b>29-0000</b>	<b>HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS</b>	<b>73,996</b>	<b>75,855</b>	<b>1,859</b>	<b>2.51%</b>	<b>936</b>	<b>1,544</b>	<b>2,480</b>			
<b>29-1000</b>	<b><i>Health Diagnosing and Treating Practitioners</i></b>	<b>42,837</b>	<b>44,016</b>	<b>1,179</b>	<b>2.75%</b>	<b>590</b>	<b>939</b>	<b>1,529</b>			
29-1011	Chiropractors	451	465	14	3.10%	7	8	15	1	3	6
29-1021	Dentists, General	1,018	1,040	22	2.16%	11	18	29	1	3	6
29-1022	Oral and Maxillofacial Surgeons	103	105	2	1.94%	1	2	3	1	3	2

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# 2015-2017 Arkansas Statewide Occupational Projections

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
29-1029	Dentists, All Other Specialists	34	34	0	0.00%	0	0	0	1	3	2
29-1031	Dietitians and Nutritionists	566	578	12	2.12%	6	4	10	3	3	2
29-1041	Optometrists	391	408	17	4.35%	8	13	21	1	3	6
29-1051	Pharmacists	2,975	3,037	62	2.08%	31	64	95	1	3	6
29-1061	Anesthesiologists	160	166	6	3.75%	3	4	7	1	3	2
29-1062	Family and General Practitioners	1,546	1,581	35	2.26%	18	40	58	1	3	2
29-1063	Internists, General	384	392	8	2.08%	4	10	14	1	3	2
29-1064	Obstetricians and Gynecologists	184	192	8	4.35%	4	4	8	1	3	2
29-1065	Pediatricians, General	153	156	3	1.96%	2	4	6	1	3	2
29-1066	Psychiatrists	383	397	14	3.66%	7	10	17	1	3	2
29-1067	Surgeons	607	635	28	4.61%	14	16	30	1	3	2
29-1069	Physicians and Surgeons, All Other	2,839	2,913	74	2.61%	37	73	110	1	3	2
29-1071	Physician Assistants	313	333	20	6.39%	10	6	16	2	3	6
29-1081	Podiatrists	54	56	2	3.70%	1	1	2	1	3	2
29-1122	Occupational Therapists	1,009	1,055	46	4.56%	23	14	37	2	3	6
29-1123	Physical Therapists	1,826	1,924	98	5.37%	49	44	93	1	3	6
29-1124	Radiation Therapists	202	211	9	4.46%	4	4	8	4	3	6
29-1125	Recreational Therapists	115	115	0	0.00%	0	2	2	3	3	6
29-1126	Respiratory Therapists	1,047	1,062	15	1.43%	8	22	30	4	3	6
29-1127	Speech-Language Pathologists	1,721	1,786	65	3.78%	32	40	72	2	3	6
29-1128	Exercise Physiologists	94	95	1	1.06%	0	0	0	3	3	6
29-1129	Therapists, All Other	101	104	3	2.97%	2	0	2	3	3	6
29-1131	Veterinarians	590	615	25	4.24%	12	7	19	1	3	6
29-1141	Registered Nurses	22,225	22,727	502	2.26%	251	490	741	3	3	6
29-1151	Nurse Anesthetists	382	397	15	3.93%	8	8	16	2	3	6
29-1171	Nurse Practitioners	1,088	1,159	71	6.53%	36	24	60	2	3	6
29-1181	Audiologists	63	66	3	4.76%	2	2	4	1	3	6
29-1199	Health Diagnosing and Treating Practitioners, All Other	186	185	-1	-0.54%	0	4	4	2	3	6
<b>29-2000</b>	<b>Health Technologists and Technicians</b>	<b>29,853</b>	<b>30,501</b>	<b>648</b>	<b>2.17%</b>	<b>330</b>	<b>586</b>	<b>916</b>			
29-2011	Medical and Clinical Laboratory Technologists	1,111	1,138	27	2.43%	14	27	41	3	3	6
29-2012	Medical and Clinical Laboratory Technicians	1,544	1,589	45	2.91%	22	38	60	4	3	6
29-2021	Dental Hygienists	1,346	1,372	26	1.93%	13	18	31	4	3	6
29-2031	Cardiovascular Technologists and Technicians	486	505	19	3.91%	10	8	18	4	3	6
29-2032	Diagnostic Medical Sonographers	395	414	19	4.81%	10	6	16	4	3	6

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29-2033	Nuclear Medicine Technologists	146	146	0	0.00%	0	2	2	4	3	6
29-2034	Radiologic Technologists	1,782	1,809	27	1.52%	14	28	42	4	3	6
29-2035	Magnetic Resonance Imaging Technologists	255	261	6	2.35%	3	4	7	4	2	6
29-2041	Emergency Medical Technicians and Paramedics	2,195	2,282	87	3.96%	44	32	76	5	3	6
29-2051	Dietetic Technicians	209	216	7	3.35%	4	2	6	4	3	6
29-2052	Pharmacy Technicians	3,492	3,635	143	4.10%	72	28	100	7	3	4
29-2053	Psychiatric Technicians	630	638	8	1.27%	4	5	9	5	2	5
29-2054	Respiratory Therapy Technicians	262	251	-11	-4.20%	0	2	2	4	3	6
29-2055	Surgical Technologists	864	885	21	2.43%	10	7	17	5	3	6
29-2056	Veterinary Technologists and Technicians	257	275	18	7.00%	9	2	11	4	3	6
29-2057	Ophthalmic Medical Technicians	369	386	17	4.61%	8	3	11	5	3	6
29-2061	Licensed Practical and Licensed Vocational Nurses	11,527	11,620	93	0.81%	46	322	368	5	3	6
29-2071	Medical Records and Health Information Technicians	1,692	1,734	42	2.48%	21	33	54	5	3	6
29-2081	Opticians, Dispensing	467	490	23	4.93%	12	12	24	7	3	3
29-2099	Health Technologists and Technicians, All Other	707	730	23	3.25%	12	6	18	7	3	6
<b>29-9000</b>	<b><i>Other Healthcare Practitioners and Technical Occupations</i></b>	<b>1,306</b>	<b>1,338</b>	<b>32</b>	<b>2.45%</b>	<b>16</b>	<b>20</b>	<b>36</b>			
29-9011	Occupational Health and Safety Specialists	618	630	12	1.94%	6	10	16	3	3	6
29-9091	Athletic Trainers	264	274	10	3.79%	5	4	9	3	3	6
29-9099	Healthcare Practitioners and Technical Workers, All Other	262	267	5	1.91%	2	4	6	5	3	6
<b>31-0000</b>	<b>HEALTHCARE SUPPORT OCCUPATIONS</b>	<b>37,611</b>	<b>38,485</b>	<b>874</b>	<b>2.32%</b>	<b>437</b>	<b>792</b>	<b>1,229</b>			
<b>31-1000</b>	<b><i>Nursing, Psychiatric, and Home Health Aides</i></b>	<b>25,964</b>	<b>26,402</b>	<b>438</b>	<b>1.69%</b>	<b>219</b>	<b>548</b>	<b>767</b>			
31-1011	Home Health Aides	7,443	7,769	326	4.38%	163	157	320	8	3	5
31-1014	Nursing Assistants	17,981	18,082	101	0.56%	50	380	430	5	3	6
<b>31-2000</b>	<b><i>Occupational Therapy and Physical Therapist Assistants and Aides</i></b>	<b>1,940</b>	<b>2,068</b>	<b>128</b>	<b>6.60%</b>	<b>64</b>	<b>52</b>	<b>116</b>			
31-2011	Occupational Therapy Assistants	291	314	23	7.90%	12	8	20	4	3	6
31-2012	Occupational Therapy Aides	66	69	3	4.55%	2	2	4	7	3	5
31-2021	Physical Therapist Assistants	1,150	1,222	72	6.26%	36	31	67	4	3	6
31-2022	Physical Therapist Aides	433	463	30	6.93%	15	12	27	7	3	5
<b>31-9000</b>	<b><i>Other Healthcare Support Occupations</i></b>	<b>9,707</b>	<b>10,015</b>	<b>308</b>	<b>3.17%</b>	<b>154</b>	<b>192</b>	<b>346</b>			
31-9011	Massage Therapists	615	640	25	4.07%	12	4	16	5	3	6
31-9091	Dental Assistants	2,447	2,489	42	1.72%	21	59	80	5	3	6

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SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
31-9092	Medical Assistants	2,740	2,860	120	4.38%	60	54	114	5	3	6
31-9094	Medical Transcriptionists	643	645	2	0.31%	1	12	13	5	3	6
31-9095	Pharmacy Aides	733	746	13	1.77%	6	14	20	7	3	5
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	776	816	40	5.15%	20	15	35	7	3	5
31-9097	Phlebotomists	936	983	47	5.02%	24	18	42	5	3	6
<b>33-0000</b>	<b>PROTECTIVE SERVICE OCCUPATIONS</b>	<b>25,101</b>	<b>25,632</b>	<b>531</b>	<b>2.12%</b>	<b>269</b>	<b>621</b>	<b>890</b>			
<b>33-1000</b>	<b><i>Supervisors of Protective Service Workers</i></b>	<b>2,502</b>	<b>2,556</b>	<b>54</b>	<b>2.16%</b>	<b>27</b>	<b>82</b>	<b>109</b>			
33-1011	First-Line Supervisors of Correctional Officers	291	296	5	1.72%	2	8	10	7	2	4
33-1012	First-Line Supervisors of Police and Detectives	1,157	1,181	24	2.07%	12	38	50	7	2	4
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	611	624	13	2.13%	6	25	31	5	2	4
33-1099	First-Line Supervisors of Protective Service Workers, All Other	443	455	12	2.71%	6	11	17	7	2	6
<b>33-2000</b>	<b><i>Fire Fighting and Prevention Workers</i></b>	<b>2,957</b>	<b>3,020</b>	<b>63</b>	<b>2.13%</b>	<b>32</b>	<b>82</b>	<b>114</b>			
33-2011	Firefighters	2,742	2,798	56	2.04%	28	76	104	5	3	3
33-2021	Fire Inspectors and Investigators	34	34	0	0.00%	0	1	1	5	1	4
33-2022	Forest Fire Inspectors and Prevention Specialists	181	188	7	3.87%	4	5	9	7	2	4
<b>33-3000</b>	<b><i>Law Enforcement Workers</i></b>	<b>11,971</b>	<b>12,184</b>	<b>213</b>	<b>1.78%</b>	<b>108</b>	<b>353</b>	<b>461</b>			
33-3011	Bailiffs	104	106	2	1.92%	1	3	4	7	3	4
33-3012	Correctional Officers and Jailers	5,327	5,415	88	1.65%	44	148	192	7	3	4
33-3021	Detectives and Criminal Investigators	546	552	6	1.10%	3	12	15	7	2	4
33-3031	Fish and Game Wardens	177	180	3	1.69%	2	5	7	3	3	4
33-3051	Police and Sheriff's Patrol Officers	5,726	5,842	116	2.03%	58	184	242	7	3	4
<b>33-9000</b>	<b><i>Other Protective Service Workers</i></b>	<b>7,671</b>	<b>7,872</b>	<b>201</b>	<b>2.62%</b>	<b>103</b>	<b>104</b>	<b>207</b>			
33-9011	Animal Control Workers	192	196	4	2.08%	2	4	6	7	3	4
33-9021	Private Detectives and Investigators	198	206	8	4.04%	4	5	9	7	2	4
33-9032	Security Guards	5,817	5,986	169	2.91%	84	74	158	7	3	5
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	493	509	16	3.25%	8	6	14	8	3	5
33-9093	Transportation Security Screeners	192	187	-5	-2.60%	0	2	2	7	3	5
33-9099	Protective Service Workers, All Other	582	590	8	1.37%	4	8	12	7	3	5
<b>35-0000</b>	<b>FOOD PREPARATION AND SERVING RELATED OCCUPATIONS</b>	<b>100,552</b>	<b>103,809</b>	<b>3,257</b>	<b>3.24%</b>	<b>1,652</b>	<b>4,002</b>	<b>5,654</b>			
<b>35-1000</b>	<b><i>Supervisors of Food Preparation and Serving Workers</i></b>	<b>9,690</b>	<b>10,093</b>	<b>403</b>	<b>4.16%</b>	<b>202</b>	<b>298</b>	<b>500</b>			

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SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings- Replacement	Total Annual Openings	Education*	Work Experience*	Training*
35-1011	Chefs and Head Cooks	644	675	31	4.81%	16	8	24	7	1	6
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	9,046	9,418	372	4.11%	186	289	475	7	2	6
<b>35-2000</b>	<b>Cooks and Food Preparation Workers</b>	<b>34,574</b>	<b>35,313</b>	<b>739</b>	<b>2.14%</b>	<b>393</b>	<b>960</b>	<b>1,353</b>			
35-2011	Cooks, Fast Food	10,560	10,513	-47	-0.45%	0	284	284	8	3	5
35-2012	Cooks, Institution and Cafeteria	6,395	6,429	34	0.53%	17	172	189	8	3	5
35-2013	Cooks, Private Household	132	134	2	1.52%	1	4	5	5	2	6
35-2014	Cooks, Restaurant	9,169	9,672	503	5.49%	252	247	499	8	2	4
35-2015	Cooks, Short Order	867	884	17	1.96%	8	24	32	8	3	5
35-2019	Cooks, All Other	231	243	12	5.19%	6	6	12	8	3	4
35-2021	Food Preparation Workers	7,220	7,438	218	3.02%	109	224	333	8	3	5
<b>35-3000</b>	<b>Food and Beverage Serving Workers</b>	<b>49,585</b>	<b>51,530</b>	<b>1,945</b>	<b>3.92%</b>	<b>972</b>	<b>2,276</b>	<b>3,248</b>			
35-3011	Bartenders	1,844	1,876	32	1.74%	16	68	84	8	3	5
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	24,259	25,492	1,233	5.08%	616	944	1,560	8	3	5
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	2,240	2,314	74	3.30%	37	208	245	8	3	5
35-3031	Waiters and Waitresses	19,316	19,884	568	2.94%	284	1,009	1,293	8	3	5
35-3041	Food Servers, Nonrestaurant	1,926	1,964	38	1.97%	19	46	65	8	3	5
<b>35-9000</b>	<b>Other Food Preparation and Serving Related Workers</b>	<b>6,703</b>	<b>6,873</b>	<b>170</b>	<b>2.54%</b>	<b>85</b>	<b>468</b>	<b>553</b>			
35-9021	Dishwashers	3,391	3,444	53	1.56%	26	188	214	8	3	5
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,990	2,057	67	3.37%	34	197	231	8	3	6
<b>37-0000</b>	<b>BUILDING AND GROUNDS CLEANING AND MAINTENANCE OCCUPATIONS</b>	<b>41,560</b>	<b>42,850</b>	<b>1,290</b>	<b>3.10%</b>	<b>645</b>	<b>778</b>	<b>1,423</b>			
<b>37-1000</b>	<b>Supervisors of Building and Grounds Cleaning and Maintenance Workers</b>	<b>4,438</b>	<b>4,595</b>	<b>157</b>	<b>3.54%</b>	<b>78</b>	<b>65</b>	<b>143</b>			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	2,593	2,672	79	3.05%	40	38	78	7	2	6
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	1,845	1,923	78	4.23%	39	26	65	7	2	6
<b>37-2000</b>	<b>Building Cleaning and Pest Control Workers</b>	<b>29,627</b>	<b>30,459</b>	<b>832</b>	<b>2.81%</b>	<b>416</b>	<b>582</b>	<b>998</b>			
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,127	19,762	635	3.32%	318	344	662	8	3	5
37-2012	Maids and Housekeeping Cleaners	9,467	9,612	145	1.53%	72	214	286	8	3	5
<b>37-3000</b>	<b>Grounds Maintenance Workers</b>	<b>7,495</b>	<b>7,796</b>	<b>301</b>	<b>4.02%</b>	<b>150</b>	<b>132</b>	<b>282</b>			

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37-3011	Landscaping and Groundskeeping Workers	6,150	6,391	241	3.92%	120	108	228	8	3	5
37-3013	Tree Trimmers and Pruners	735	770	35	4.76%	18	13	31	7	3	5
<b>39-0000</b>	<b>PERSONAL CARE AND SERVICE OCCUPATIONS</b>	<b>43,741</b>	<b>45,389</b>	<b>1,648</b>	<b>3.77%</b>	<b>830</b>	<b>864</b>	<b>1,694</b>			
<i>39-1000</i>	<i>Supervisors of Personal Care and Service Workers</i>	<i>1,779</i>	<i>1,826</i>	<i>47</i>	<i>2.64%</i>	<i>24</i>	<i>32</i>	<i>56</i>			
39-1011	Gaming Supervisors	93	95	2	2.15%	1	3	4	7	2	6
39-1021	First-Line Supervisors of Personal Service Workers	1,686	1,731	45	2.67%	22	28	50	7	2	6
<i>39-2000</i>	<i>Animal Care and Service Workers</i>	<i>2,176</i>	<i>2,251</i>	<i>75</i>	<i>3.45%</i>	<i>38</i>	<i>47</i>	<i>85</i>			
39-2011	Animal Trainers	432	443	11	2.55%	6	16	22	7	3	4
39-2021	Nonfarm Animal Caretakers	1,744	1,808	64	3.67%	32	32	64	7	3	5
<i>39-3000</i>	<i>Entertainment Attendants and Related Workers</i>	<i>1,994</i>	<i>2,043</i>	<i>49</i>	<i>2.46%</i>	<i>27</i>	<i>106</i>	<i>133</i>			
39-3021	Motion Picture Projectionists	115	110	-5	-4.35%	0	5	5	8	3	5
39-3031	Ushers, Lobby Attendants, and Ticket Takers	454	466	12	2.64%	6	35	41	8	3	5
39-3091	Amusement and Recreation Attendants	1,047	1,077	30	2.87%	15	52	67	8	3	5
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	104	108	4	3.85%	2	5	7	7	3	5
<i>39-4000</i>	<i>Funeral Service Workers</i>	<i>840</i>	<i>858</i>	<i>18</i>	<i>2.14%</i>	<i>9</i>	<i>18</i>	<i>27</i>			
39-4011	Embalmers	98	98	0	0.00%	0	2	2	5	3	5
39-4021	Funeral Attendants	377	383	6	1.59%	3	8	11	7	3	5
39-4031	Morticians, Undertakers, and Funeral Directors	365	377	12	3.29%	6	8	14	4	3	3
<i>39-5000</i>	<i>Personal Appearance Workers</i>	<i>3,138</i>	<i>3,197</i>	<i>59</i>	<i>1.88%</i>	<i>30</i>	<i>72</i>	<i>102</i>			
39-5012	Hairdressers, Hairstylists, and Cosmetologists	2,708	2,759	51	1.88%	26	68	94	5	3	6
39-5092	Manicurists and Pedicurists	213	217	4	1.88%	2	2	4	5	3	6
39-5094	Skincare Specialists	136	139	3	2.21%	2	1	3	5	3	6
<i>39-6000</i>	<i>Baggage Porters, Bellhops, and Concierges</i>	<i>201</i>	<i>194</i>	<i>-7</i>	<i>-3.48%</i>	<i>0</i>	<i>4</i>	<i>4</i>			
39-6011	Baggage Porters and Bellhops	170	163	-7	-4.12%	0	3	3	7	3	5
39-6012	Concierges	31	31	0	0.00%	0	0	0	7	3	4
<i>39-7000</i>	<i>Tour and Travel Guides</i>	<i>178</i>	<i>184</i>	<i>6</i>	<i>3.37%</i>	<i>3</i>	<i>6</i>	<i>9</i>			
<i>39-9000</i>	<i>Other Personal Care and Service Workers</i>	<i>33,435</i>	<i>34,836</i>	<i>1,401</i>	<i>4.19%</i>	<i>700</i>	<i>581</i>	<i>1,281</i>			
39-9011	Childcare Workers	12,889	13,228	339	2.63%	170	394	564	7	3	5
39-9021	Personal Care Aides	16,673	17,660	987	5.92%	494	106	600	8	3	5
39-9031	Fitness Trainers and Aerobics Instructors	1,209	1,248	39	3.23%	20	21	41	7	3	5
39-9032	Recreation Workers	1,471	1,486	15	1.02%	8	26	34	7	3	5

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39-9041	Residential Advisors	701	714	13	1.85%	6	23	29	7	3	5
39-9099	Personal Care and Service Workers, All Other	492	500	8	1.63%	4	12	16	7	3	5
<b>41-0000</b>	<b>SALES AND RELATED OCCUPATIONS</b>	<b>132,764</b>	<b>137,651</b>	<b>4,887</b>	<b>3.68%</b>	<b>2,446</b>	<b>4,374</b>	<b>6,820</b>			
<i>41-1000</i>	<i>Supervisors of Sales Workers</i>	<i>20,968</i>	<i>21,653</i>	<i>685</i>	<i>3.27%</i>	<i>342</i>	<i>440</i>	<i>782</i>			
41-1011	First-Line Supervisors of Retail Sales Workers	17,582	18,153	571	3.25%	286	400	686	7	2	6
41-1012	First-Line Supervisors of Non-Retail Sales Workers	3,386	3,500	114	3.37%	57	40	97	7	2	6
<i>41-2000</i>	<i>Retail Sales Workers</i>	<i>77,883</i>	<i>80,843</i>	<i>2,960</i>	<i>3.80%</i>	<i>1,480</i>	<i>3,238</i>	<i>4,718</i>			
41-2011	Cashiers	31,488	32,284	796	2.53%	398	1,596	1,994	8	3	5
41-2021	Counter and Rental Clerks	3,453	3,484	31	0.90%	16	90	106	8	3	5
41-2031	Retail Salespersons	39,620	41,646	2,026	5.11%	1,013	1,482	2,495	8	3	5
<i>41-3000</i>	<i>Sales Representatives, Services</i>	<i>11,285</i>	<i>11,606</i>	<i>321</i>	<i>2.84%</i>	<i>163</i>	<i>266</i>	<i>429</i>			
41-3011	Advertising Sales Agents	1,309	1,329	20	1.53%	10	36	46	7	3	4
41-3021	Insurance Sales Agents	5,009	5,131	122	2.44%	61	129	190	7	3	4
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,257	1,282	25	1.99%	12	24	36	3	3	4
41-3041	Travel Agents	186	181	-5	-2.69%	0	3	3	7	3	4
41-3099	Sales Representatives, Services, All Other	3,524	3,683	159	4.51%	80	74	154	7	3	4
<i>41-4000</i>	<i>Sales Representatives, Wholesale and Manufacturing</i>	<i>16,253</i>	<i>16,920</i>	<i>667</i>	<i>4.10%</i>	<i>334</i>	<i>326</i>	<i>660</i>			
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1,909	2,007	98	5.13%	49	38	87	3	3	4
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	14,344	14,913	569	3.97%	284	288	572	7	3	4
<i>41-9000</i>	<i>Other Sales and Related Workers</i>	<i>6,375</i>	<i>6,629</i>	<i>254</i>	<i>3.98%</i>	<i>127</i>	<i>104</i>	<i>231</i>			
41-9011	Demonstrators and Product Promoters	1,067	1,135	68	6.37%	34	33	67	7	3	5
41-9021	Real Estate Brokers	148	154	6	4.05%	3	1	4	7	2	6
41-9022	Real Estate Sales Agents	2,127	2,223	96	4.51%	48	16	64	7	3	4
41-9031	Sales Engineers	161	166	5	3.11%	2	4	6	3	3	4
41-9041	Telemarketers	1,760	1,807	47	2.67%	24	38	62	8	3	5
41-9099	Sales and Related Workers, All Other	764	793	29	3.80%	14	10	24	7	3	6
<b>43-0000</b>	<b>OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS</b>	<b>189,964</b>	<b>193,740</b>	<b>3,776</b>	<b>1.99%</b>	<b>2,086</b>	<b>3,944</b>	<b>6,030</b>			
<i>43-1000</i>	<i>Supervisors of Office and Administrative Support Workers</i>	<i>14,788</i>	<i>15,205</i>	<i>417</i>	<i>2.82%</i>	<i>208</i>	<i>232</i>	<i>440</i>			

\*For training codes, refer to page 89.

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SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
43-1011	First-Line Supervisors of Office and Administrative Support Workers	14,788	15,205	417	2.82%	208	232	440	7	2	6
<b>43-2000</b>	<b>Communications Equipment Operators</b>	<b>801</b>	<b>758</b>	<b>-43</b>	<b>-5.37%</b>	<b>0</b>	<b>12</b>	<b>12</b>			
<b>43-3000</b>	<b>Financial Clerks</b>	<b>27,753</b>	<b>27,717</b>	<b>-36</b>	<b>-0.13%</b>	<b>110</b>	<b>590</b>	<b>700</b>			
43-3011	Bill and Account Collectors	1,773	1,806	33	1.86%	16	44	60	7	3	4
43-3021	Billing and Posting Clerks	3,955	4,111	156	3.94%	78	74	152	7	3	4
43-3031	Bookkeeping, Accounting, and Auditing Clerks	13,357	13,369	12	0.09%	6	130	136	6	3	4
43-3051	Payroll and Timekeeping Clerks	1,573	1,587	14	0.89%	7	39	46	7	3	4
43-3061	Procurement Clerks	635	635	0	0.00%	0	21	21	7	3	4
43-3071	Tellers	6,371	6,116	-255	-4.00%	0	280	280	7	3	5
<b>43-4000</b>	<b>Information and Record Clerks</b>	<b>42,104</b>	<b>43,228</b>	<b>1,124</b>	<b>2.67%</b>	<b>586</b>	<b>1,022</b>	<b>1,608</b>			
43-4011	Brokerage Clerks	255	261	6	2.35%	3	6	9	7	3	4
43-4021	Correspondence Clerks	62	63	1	1.61%	0	2	2	7	3	5
43-4031	Court, Municipal, and License Clerks	1,134	1,158	24	2.12%	12	8	20	7	3	4
43-4041	Credit Authorizers, Checkers, and Clerks	177	174	-3	-1.69%	0	2	2	7	3	4
43-4051	Customer Service Representatives	18,865	19,684	819	4.34%	410	438	848	7	3	5
43-4061	Eligibility Interviewers, Government Programs	1,735	1,762	27	1.56%	14	15	29	7	3	4
43-4071	File Clerks	978	974	-4	-0.41%	0	20	20	7	3	5
43-4081	Hotel, Motel, and Resort Desk Clerks	2,469	2,503	34	1.38%	17	136	153	7	3	5
43-4111	Interviewers, Except Eligibility and Loan	1,004	1,018	14	1.39%	7	20	27	7	3	5
43-4121	Library Assistants, Clerical	1,185	1,207	22	1.86%	11	36	47	7	3	5
43-4131	Loan Interviewers and Clerks	1,466	1,471	5	0.34%	2	24	26	7	3	5
43-4141	New Accounts Clerks	650	624	-26	-4.00%	0	16	16	7	3	4
43-4151	Order Clerks	1,154	1,178	24	2.08%	12	31	43	7	3	5
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	1,476	1,498	22	1.49%	11	14	25	4	3	6
43-4171	Receptionists and Information Clerks	7,801	7,976	175	2.24%	88	222	310	7	3	5
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	708	699	-9	-1.27%	0	10	10	7	3	5
43-4199	Information and Record Clerks, All Other	985	978	-7	-0.71%	0	24	24	7	3	5
<b>43-5000</b>	<b>Material Recording, Scheduling, Dispatching, and Distributing Workers</b>	<b>33,528</b>	<b>34,392</b>	<b>864</b>	<b>2.58%</b>	<b>443</b>	<b>924</b>	<b>1,367</b>			
43-5011	Cargo and Freight Agents	541	596	55	10.17%	28	16	44	7	3	5
43-5021	Couriers and Messengers	638	653	15	2.35%	8	8	16	7	3	5
43-5031	Police, Fire, and Ambulance Dispatchers	1,277	1,279	2	0.16%	1	32	33	7	3	4
43-5032	Dispatchers, Except Police, Fire, and Ambulance	1,567	1,631	64	4.08%	32	40	72	7	3	4

\*For training codes, refer to page 89.

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SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
43-5041	Meter Readers, Utilities	648	629	-19	-2.93%	0	15	15	7	3	5
43-5051	Postal Service Clerks	965	982	17	1.76%	8	12	20	7	3	5
43-5052	Postal Service Mail Carriers	2,899	2,953	54	1.86%	27	56	83	7	3	5
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	699	696	-3	-0.43%	0	9	9	7	3	5
43-5061	Production, Planning, and Expediting Clerks	2,314	2,393	79	3.41%	40	64	104	7	3	4
43-5071	Shipping, Receiving, and Traffic Clerks	4,400	4,493	93	2.11%	46	88	134	7	3	5
43-5081	Stock Clerks and Order Fillers	16,539	17,024	485	2.93%	242	560	802	8	3	5
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	1,041	1,063	22	2.11%	11	26	37	7	3	5
<b>43-6000</b>	<b>Secretaries and Administrative Assistants</b>	<b>30,586</b>	<b>31,088</b>	<b>502</b>	<b>1.64%</b>	<b>251</b>	<b>323</b>	<b>574</b>			
43-6011	Executive Secretaries and Executive Administrative Assistants	4,735	4,753	18	0.38%	9	50	59	7	2	6
43-6012	Legal Secretaries	1,453	1,466	13	0.89%	6	16	22	7	3	4
43-6013	Medical Secretaries	2,926	3,020	94	3.21%	47	31	78	7	3	4
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	21,472	21,849	377	1.76%	188	226	414	7	3	5
<b>43-9000</b>	<b>Other Office and Administrative Support Workers</b>	<b>40,404</b>	<b>41,352</b>	<b>948</b>	<b>2.35%</b>	<b>487</b>	<b>842</b>	<b>1,329</b>			
43-9011	Computer Operators	1,040	1,036	-4	-0.38%	0	8	8	7	3	4
43-9021	Data Entry Keyers	1,992	2,005	13	0.65%	6	28	34	7	3	4
43-9022	Word Processors and Typists	137	133	-4	-2.92%	0	0	0	7	3	5
43-9041	Insurance Claims and Policy Processing Clerks	1,342	1,421	79	5.89%	40	32	72	7	3	4
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	433	427	-6	-1.39%	0	10	10	7	3	5
43-9061	Office Clerks, General	32,470	33,285	815	2.51%	408	685	1,093	7	3	5
43-9071	Office Machine Operators, Except Computer	234	231	-3	-1.28%	0	5	5	7	3	5
43-9081	Proofreaders and Copy Markers	106	103	-3	-2.83%	0	2	2	3	3	6
43-9199	Office and Administrative Support Workers, All Other	2,547	2,614	67	2.63%	34	68	102	7	3	5
<b>45-0000</b>	<b>FARMING, FISHING, AND FORESTRY OCCUPATIONS</b>	<b>11,359</b>	<b>11,449</b>	<b>90</b>	<b>0.79%</b>	<b>58</b>	<b>280</b>	<b>338</b>			
<b>45-2000</b>	<b>Agricultural Workers</b>	<b>8,849</b>	<b>8,955</b>	<b>106</b>	<b>1.20%</b>	<b>54</b>	<b>220</b>	<b>274</b>			
45-2011	Agricultural Inspectors	404	403	-1	-0.25%	0	10	10	3	3	4
45-2041	Graders and Sorters, Agricultural Products	1,538	1,557	19	1.24%	10	19	29	8	3	5
45-2091	Agricultural Equipment Operators	919	939	20	2.18%	10	26	36	8	3	5

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SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	3,761	3,778	17	0.45%	8	104	112	8	3	5
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	2,044	2,095	51	2.50%	26	56	82	8	3	5
<b>45-4000</b>	<b><i>Forest, Conservation, and Logging Workers</i></b>	<b>1,979</b>	<b>1,965</b>	<b>-14</b>	<b>-0.71%</b>	<b>4</b>	<b>48</b>	<b>52</b>			
45-4021	Fallers	413	395	-18	-4.36%	0	10	10	7	3	4
45-4022	Logging Equipment Operators	1,211	1,209	-2	-0.17%	0	30	30	7	3	4
45-4023	Log Graders and Scalers	218	222	4	1.83%	2	6	8	7	3	4
<b>47-0000</b>	<b>CONSTRUCTION AND EXTRACTION OCCUPATIONS</b>	<b>52,762</b>	<b>54,378</b>	<b>1,616</b>	<b>3.06%</b>	<b>920</b>	<b>850</b>	<b>1,770</b>			
<b>47-1000</b>	<b><i>Supervisors of Construction and Extraction Workers</i></b>	<b>5,571</b>	<b>5,715</b>	<b>144</b>	<b>2.58%</b>	<b>72</b>	<b>48</b>	<b>120</b>			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	5,571	5,715	144	2.58%	72	48	120	7	1	6
<b>47-2000</b>	<b><i>Construction Trades Workers</i></b>	<b>38,720</b>	<b>40,176</b>	<b>1,456</b>	<b>3.76%</b>	<b>728</b>	<b>628</b>	<b>1,356</b>			
47-2011	Boilermakers	31	32	1	3.23%	0	0	0	7	3	1
47-2021	Brickmasons and Blockmasons	681	717	36	5.29%	18	6	24	7	3	1
47-2022	Stonemasons	58	62	4	6.90%	2	0	2	7	3	1
47-2031	Carpenters	5,582	5,802	220	3.94%	110	67	177	7	3	1
47-2041	Carpet Installers	87	92	5	5.75%	2	1	3	8	3	5
47-2044	Tile and Marble Setters	196	206	10	5.10%	5	3	8	8	3	3
47-2051	Cement Masons and Concrete Finishers	1,084	1,122	38	3.51%	19	14	33	8	3	4
47-2061	Construction Laborers	9,822	10,114	292	2.97%	146	193	339	8	3	5
47-2071	Paving, Surfacing, and Tamping Equipment Operators	939	954	15	1.60%	8	21	29	7	3	4
47-2073	Operating Engineers and Other Construction Equipment Operators	4,095	4,134	39	0.95%	20	68	88	7	3	4
47-2081	Drywall and Ceiling Tile Installers	440	478	38	8.64%	19	3	22	8	3	4
47-2111	Electricians	5,635	5,939	304	5.39%	152	86	238	7	3	1
47-2121	Glaziers	334	341	7	2.10%	4	6	10	7	3	1
47-2131	Insulation Workers, Floor, Ceiling, and Wall	232	250	18	7.76%	9	8	17	8	3	5
47-2132	Insulation Workers, Mechanical	154	167	13	8.44%	6	5	11	7	3	1
47-2141	Painters, Construction and Maintenance	1,861	1,976	115	6.18%	58	30	88	8	3	4
47-2142	Paperhangers	245	248	3	1.22%	2	4	6	8	3	3
47-2151	Pipelayers	432	437	5	1.16%	2	6	8	8	3	5
47-2152	Plumbers, Pipefitters, and Steamfitters	3,642	3,799	157	4.31%	78	48	126	7	3	1
47-2161	Plasterers and Stucco Masons	60	64	4	6.67%	2	0	2	8	3	3

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47-2171	Reinforcing Iron and Rebar Workers	97	102	5	5.15%	2	2	4	7	3	1
47-2181	Roofers	762	789	27	3.54%	14	12	26	8	3	4
47-2211	Sheet Metal Workers	1,263	1,321	58	4.59%	29	26	55	7	3	1
47-2221	Structural Iron and Steel Workers	843	874	31	3.68%	16	16	32	7	3	1
<b>47-3000</b>	<b>Helpers, Construction Trades</b>	<b>2,453</b>	<b>2,592</b>	<b>139</b>	<b>5.67%</b>	<b>70</b>	<b>40</b>	<b>110</b>			
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	374	398	24	6.42%	12	6	18	8	3	5
47-3012	Helpers--Carpenters	324	341	17	5.25%	8	6	14	8	3	5
47-3013	Helpers--Electricians	488	524	36	7.38%	18	8	26	7	3	5
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	226	248	22	9.73%	11	4	15	8	3	5
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	475	499	24	5.05%	12	8	20	7	3	5
47-3016	Helpers--Roofers	222	230	8	3.60%	4	4	8	8	3	5
47-3019	Helpers, Construction Trades, All Other	344	352	8	2.33%	4	6	10	8	3	5
<b>47-4000</b>	<b>Other Construction and Related Workers</b>	<b>3,627</b>	<b>3,729</b>	<b>102</b>	<b>2.81%</b>	<b>51</b>	<b>80</b>	<b>131</b>			
47-4011	Construction and Building Inspectors	718	730	12	1.67%	6	18	24	7	1	4
47-4021	Elevator Installers and Repairers	36	38	2	5.56%	1	0	1	7	3	1
47-4031	Fence Erectors	232	240	8	3.45%	4	4	8	8	3	4
47-4041	Hazardous Materials Removal Workers	186	205	19	10.22%	10	4	14	7	3	4
47-4051	Highway Maintenance Workers	1,826	1,862	36	1.97%	18	44	62	7	3	4
47-4061	Rail-Track Laying and Maintenance Equipment Operators	165	172	7	4.24%	4	4	8	7	3	4
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	171	182	11	6.43%	6	4	10	8	3	4
47-4099	Construction and Related Workers, All Other	293	300	7	2.39%	4	4	8	7	3	4
<b>47-5000</b>	<b>Extraction Workers</b>	<b>2,391</b>	<b>2,166</b>	<b>-225</b>	<b>-9.41%</b>	<b>0</b>	<b>55</b>	<b>55</b>			
47-5011	Derrick Operators, Oil and Gas	211	183	-28	-13.27%	0	7	7	8	3	5
47-5012	Rotary Drill Operators, Oil and Gas	88	77	-11	-12.50%	0	3	3	8	3	4
47-5013	Service Unit Operators, Oil, Gas, and Mining	638	559	-79	-12.38%	0	22	22	8	3	4
47-5021	Earth Drillers, Except Oil and Gas	190	182	-8	-4.21%	0	4	4	7	3	4
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	164	163	-1	-0.61%	0	3	3	7	2	3
47-5041	Continuous Mining Machine Operators	111	108	-3	-2.70%	0	2	2	8	3	4
47-5051	Rock Splitters, Quarry	53	53	0	0.00%	0	0	0	8	3	5
47-5071	Roustabouts, Oil and Gas	562	491	-71	-12.63%	0	10	10	8	3	4
47-5081	Helpers--Extraction Workers	266	244	-22	-8.27%	0	2	2	7	3	4

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47-5099	Extraction Workers, All Other	38	37	-1	-2.63%	0	0	0	7	3	4
49-0000	<b>INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS</b>	<b>54,300</b>	<b>55,764</b>	<b>1,464</b>	<b>2.70%</b>	<b>768</b>	<b>1,228</b>	<b>1,996</b>			
49-1000	<i>Supervisors of Installation, Maintenance, and Repair Workers</i>	<b>4,588</b>	<b>4,691</b>	<b>103</b>	<b>2.24%</b>	<b>52</b>	<b>88</b>	<b>140</b>			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	4,588	4,691	103	2.24%	52	88	140	7	2	6
49-2000	<i>Electrical and Electronic Equipment Mechanics, Installers, and Repairers</i>	<b>5,231</b>	<b>5,338</b>	<b>107</b>	<b>2.05%</b>	<b>64</b>	<b>85</b>	<b>149</b>			
49-2011	Computer, Automated Teller, and Office Machine Repairers	1,082	1,133	51	4.71%	26	20	46	6	3	5
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	143	141	-2	-1.40%	0	2	2	4	3	4
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1,724	1,715	-9	-0.52%	0	18	18	5	3	4
49-2091	Avionics Technicians	117	120	3	2.56%	2	2	4	4	3	6
49-2092	Electric Motor, Power Tool, and Related Repairers	375	372	-3	-0.80%	0	11	11	5	3	3
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	418	427	9	2.15%	4	7	11	5	3	3
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	386	409	23	5.96%	12	6	18	5	3	5
49-2098	Security and Fire Alarm Systems Installers	496	525	29	5.85%	14	10	24	7	3	4
49-3000	<i>Vehicle and Mobile Equipment Mechanics, Installers, and Repairers</i>	<b>15,644</b>	<b>16,139</b>	<b>495</b>	<b>3.16%</b>	<b>250</b>	<b>368</b>	<b>618</b>			
49-3011	Aircraft Mechanics and Service Technicians	988	983	-5	-0.51%	0	22	22	5	3	6
49-3021	Automotive Body and Related Repairers	1,230	1,263	33	2.68%	16	28	44	7	3	3
49-3022	Automotive Glass Installers and Repairers	271	275	4	1.48%	2	4	6	7	3	4
49-3023	Automotive Service Technicians and Mechanics	5,470	5,627	157	2.87%	78	142	220	5	3	5
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	3,573	3,700	127	3.55%	64	64	128	7	3	3
49-3041	Farm Equipment Mechanics and Service Technicians	891	931	40	4.49%	20	22	42	7	3	3
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	973	975	2	0.21%	1	24	25	7	3	3
49-3051	Motorboat Mechanics and Service Technicians	227	241	14	6.17%	7	4	11	7	3	3
49-3052	Motorcycle Mechanics	212	232	20	9.43%	10	4	14	5	3	5

\*For training codes, refer to page 89.

## 2015-2017 Arkansas Statewide Occupational Projections

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	344	349	5	1.45%	2	6	8	7	3	4
49-3093	Tire Repairers and Changers	1,057	1,072	15	1.42%	8	38	46	7	3	5
<b>49-9000</b>	<b><i>Other Installation, Maintenance, and Repair Occupations</i></b>	<b>28,837</b>	<b>29,596</b>	<b>759</b>	<b>2.63%</b>	<b>404</b>	<b>687</b>	<b>1,091</b>			
49-9011	Mechanical Door Repairers	132	141	9	6.82%	4	4	8	7	3	4
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	668	640	-28	-4.19%	0	22	22	7	3	4
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	2,641	2,788	147	5.57%	74	40	114	5	3	3
49-9031	Home Appliance Repairers	266	277	11	4.14%	6	6	12	7	3	4
49-9041	Industrial Machinery Mechanics	4,749	4,979	230	4.84%	115	112	227	7	3	3
49-9043	Maintenance Workers, Machinery	786	815	29	3.69%	14	14	28	7	3	4
49-9044	Millwrights	760	767	7	0.92%	4	18	22	7	3	1
49-9045	Refractory Materials Repairers, Except Brickmasons	56	63	7	12.50%	4	2	6	7	3	4
49-9051	Electrical Power-Line Installers and Repairers	1,467	1,462	-5	-0.34%	0	56	56	7	3	3
49-9052	Telecommunications Line Installers and Repairers	809	805	-4	-0.49%	0	15	15	7	3	3
49-9062	Medical Equipment Repairers	328	337	9	2.74%	4	5	9	4	3	4
49-9069	Precision Instrument and Equipment Repairers, All Other	130	132	2	1.54%	1	2	3	7	3	3
49-9071	Maintenance and Repair Workers, General	12,736	13,028	292	2.29%	146	306	452	7	3	3
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	304	296	-8	-2.63%	0	4	4	7	3	5
49-9094	Locksmiths and Safe Repairers	121	122	1	0.83%	0	6	6	7	3	3
49-9096	Riggers	87	89	2	2.30%	1	2	3	7	3	5
49-9097	Signal and Track Switch Repairers	150	162	12	8.00%	6	2	8	7	3	4
49-9098	Helpers--Installation, Maintenance, and Repair Workers	1,498	1,526	28	1.87%	14	51	65	7	3	5
49-9099	Installation, Maintenance, and Repair Workers, All Other	1,051	1,072	21	2.00%	10	16	26	7	3	4
<b>51-0000</b>	<b>PRODUCTION OCCUPATIONS</b>	<b>115,825</b>	<b>118,043</b>	<b>2,218</b>	<b>1.91%</b>	<b>1,424</b>	<b>2,588</b>	<b>4,012</b>			
<b>51-1000</b>	<b><i>Supervisors of Production Workers</i></b>	<b>7,844</b>	<b>8,022</b>	<b>178</b>	<b>2.27%</b>	<b>89</b>	<b>124</b>	<b>213</b>			
51-1011	First-Line Supervisors of Production and Operating Workers	7,844	8,022	178	2.27%	89	124	213	7	2	6
<b>51-2000</b>	<b><i>Assemblers and Fabricators</i></b>	<b>19,193</b>	<b>19,680</b>	<b>487</b>	<b>2.54%</b>	<b>247</b>	<b>396</b>	<b>643</b>			
51-2021	Coil Winders, Tapers, and Finishers	350	343	-7	-2.00%	0	4	4	7	3	4

\*For training codes, refer to page 89.

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SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings- Replacement	Total Annual Openings	Education*	Work Experience*	Training*
51-2022	Electrical and Electronic Equipment Assemblers	825	826	1	0.12%	0	11	11	7	3	4
51-2041	Structural Metal Fabricators and Fitters	982	1,016	34	3.46%	17	16	33	7	3	4
51-2091	Fiberglass Laminators and Fabricators	694	726	32	4.61%	16	15	31	7	3	4
51-2092	Team Assemblers	13,765	14,142	377	2.74%	188	296	484	7	3	4
51-2099	Assemblers and Fabricators, All Other	1,885	1,911	26	1.38%	13	40	53	7	3	4
<b>51-3000</b>	<b>Food Processing Workers</b>	<b>16,326</b>	<b>16,918</b>	<b>592</b>	<b>3.63%</b>	<b>296</b>	<b>306</b>	<b>602</b>			
51-3011	Bakers	1,120	1,167	47	4.20%	24	22	46	8	3	3
51-3021	Butchers and Meat Cutters	874	882	8	0.92%	4	16	20	8	3	3
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	6,985	7,280	295	4.22%	148	127	275	8	3	5
51-3023	Slaughterers and Meat Packers	1,599	1,667	68	4.25%	34	29	63	8	3	5
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	232	239	7	3.02%	4	4	8	8	3	4
51-3092	Food Batchmakers	1,532	1,534	2	0.13%	1	32	33	7	3	4
51-3093	Food Cooking Machine Operators and Tenders	687	711	24	3.49%	12	13	25	7	3	4
51-3099	Food Processing Workers, All Other	3,297	3,438	141	4.28%	70	62	132	8	3	4
<b>51-4000</b>	<b>Metal Workers and Plastic Workers</b>	<b>20,213</b>	<b>20,527</b>	<b>314</b>	<b>1.55%</b>	<b>284</b>	<b>488</b>	<b>772</b>			
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	1,669	1,763	94	5.63%	47	46	93	7	3	4
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	218	231	13	5.96%	6	6	12	7	3	3
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	784	762	-22	-2.81%	0	19	19	7	3	4
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	250	265	15	6.00%	8	6	14	7	3	4
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	2,287	2,230	-57	-2.49%	0	31	31	7	3	4
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	112	109	-3	-2.68%	0	2	2	7	3	4
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	842	811	-31	-3.68%	0	34	34	7	3	4
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	185	179	-6	-3.24%	0	4	4	7	3	4
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	235	237	2	0.85%	1	4	5	7	3	4
51-4041	Machinists	2,695	2,768	73	2.71%	36	77	113	7	3	3
51-4051	Metal-Refining Furnace Operators and Tenders	251	263	12	4.78%	6	8	14	7	3	4

\*For training codes, refer to page 89.



## 2015-2017 Arkansas Statewide Occupational Projections

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
51-4052	Pourers and Casters, Metal	89	98	9	10.11%	4	3	7	7	3	4
51-4062	Patternmakers, Metal and Plastic	45	40	-5	-11.11%	0	1	1	7	3	4
51-4071	Foundry Mold and Coremakers	81	76	-5	-6.17%	0	2	2	7	3	4
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,148	1,084	-64	-5.57%	0	18	18	7	3	4
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,412	1,410	-2	-0.14%	0	26	26	7	3	4
51-4111	Tool and Die Makers	605	570	-35	-5.79%	0	3	3	7	3	3
51-4121	Welders, Cutters, Solderers, and Brazers	4,604	4,681	77	1.67%	38	129	167	7	3	4
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	1,608	1,879	271	16.85%	136	45	181	7	3	4
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	300	286	-14	-4.67%	0	6	6	7	3	4
51-4192	Layout Workers, Metal and Plastic	35	35	0	0.00%	0	0	0	7	3	4
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	466	461	-5	-1.07%	0	12	12	7	3	4
51-4194	Tool Grinders, Filers, and Sharpeners	164	165	1	0.61%	0	4	4	7	3	4
51-4199	Metal Workers and Plastic Workers, All Other	65	62	-3	-4.62%	0	1	1	7	3	4
<b>51-5100</b>	<b>Printing Workers</b>	<b>1,951</b>	<b>1,926</b>	<b>-25</b>	<b>-1.28%</b>	<b>0</b>	<b>30</b>	<b>30</b>			
51-5111	Prepress Technicians and Workers	316	307	-9	-2.85%	0	5	5	5	3	6
51-5112	Printing Press Operators	1,343	1,333	-10	-0.74%	0	20	20	7	3	4
51-5113	Print Binding and Finishing Workers	292	286	-6	-2.05%	0	4	4	7	3	5
<b>51-6000</b>	<b>Textile, Apparel, and Furnishings Workers</b>	<b>5,520</b>	<b>5,414</b>	<b>-106</b>	<b>-1.92%</b>	<b>16</b>	<b>88</b>	<b>104</b>			
51-6011	Laundry and Dry-Cleaning Workers	1,619	1,599	-20	-1.24%	0	24	24	8	3	5
51-6021	Pressers, Textile, Garment, and Related Materials	491	469	-22	-4.48%	0	12	12	8	3	5
51-6031	Sewing Machine Operators	1,112	1,112	0	0.00%	0	8	8	8	3	5
51-6041	Shoe and Leather Workers and Repairers	50	47	-3	-6.00%	0	1	1	7	3	4
51-6042	Shoe Machine Operators and Tenders	452	405	-47	-10.40%	0	5	5	7	3	5
51-6052	Tailors, Dressmakers, and Custom Sewers	342	346	4	1.17%	2	12	14	8	3	4
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	115	108	-7	-6.09%	0	2	2	7	3	4
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	130	148	18	13.85%	9	2	11	7	3	5
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	241	236	-5	-2.07%	0	2	2	7	3	4

\*For training codes, refer to page 89.

# 2015-2017 Arkansas Statewide Occupational Projections

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings- Replacement	Total Annual Openings	Education*	Work Experience*	Training*
51-6093	Upholsterers	822	788	-34	-4.14%	0	20	20	7	3	4
51-6099	Textile, Apparel, and Furnishings Workers, All Other	61	64	3	4.92%	2	0	2	7	3	5
<b>51-7000</b>	<b>Woodworkers</b>	<b>3,858</b>	<b>3,836</b>	<b>-22</b>	<b>-0.57%</b>	<b>34</b>	<b>74</b>	<b>108</b>			
51-7011	Cabinetmakers and Bench Carpenters	1,143	1,075	-68	-5.95%	0	10	10	7	3	4
51-7021	Furniture Finishers	192	170	-22	-11.46%	0	4	4	7	3	5
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	1,261	1,298	37	2.93%	18	37	55	7	3	5
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1,046	1,069	23	2.20%	12	19	31	7	3	5
<b>51-8000</b>	<b>Plant and System Operators</b>	<b>3,380</b>	<b>3,319</b>	<b>-61</b>	<b>-1.80%</b>	<b>22</b>	<b>94</b>	<b>116</b>			
51-8012	Power Distributors and Dispatchers	173	168	-5	-2.89%	0	6	6	7	3	3
51-8013	Power Plant Operators	391	387	-4	-1.02%	0	15	15	7	3	3
51-8021	Stationary Engineers and Boiler Operators	357	353	-4	-1.12%	0	9	9	7	3	3
51-8031	Water and Wastewater Treatment Plant and System Operators	1,496	1,541	45	3.01%	22	30	52	7	3	3
51-8091	Chemical Plant and System Operators	300	299	-1	-0.33%	0	10	10	7	3	3
51-8092	Gas Plant Operators	153	130	-23	-15.03%	0	5	5	7	3	3
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	337	268	-69	-20.47%	0	12	12	7	3	3
<b>51-9000</b>	<b>Other Production Occupations</b>	<b>37,540</b>	<b>38,401</b>	<b>861</b>	<b>2.29%</b>	<b>436</b>	<b>986</b>	<b>1,422</b>			
51-9011	Chemical Equipment Operators and Tenders	988	981	-7	-0.71%	0	28	28	7	3	4
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	565	585	20	3.54%	10	16	26	7	3	4
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	453	460	7	1.55%	4	9	13	7	3	4
51-9022	Grinding and Polishing Workers, Hand	92	95	3	3.26%	2	2	4	8	3	4
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	1,584	1,634	50	3.16%	25	32	57	7	3	4
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	1,694	1,746	52	3.07%	26	36	62	7	3	5
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	912	921	9	0.99%	4	32	36	7	3	4
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	442	450	8	1.81%	4	12	16	7	3	4
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	5,993	6,156	163	2.72%	82	148	230	7	3	4
51-9071	Jewelers and Precious Stone and Metal Workers	208	211	3	1.44%	2	3	5	7	3	3

# 2015-2017 Arkansas Statewide Occupational Projections

SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings- Replacement	Total Annual Openings	Education*	Work Experience*	Training*
51-9081	Dental Laboratory Technicians	385	403	18	4.68%	9	10	19	7	3	4
51-9082	Medical Appliance Technicians	116	121	5	4.31%	2	3	5	7	3	3
51-9083	Ophthalmic Laboratory Technicians	423	433	10	2.36%	5	12	17	7	3	4
51-9111	Packaging and Filling Machine Operators and Tenders	4,409	4,537	128	2.90%	64	150	214	7	3	4
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1,247	1,257	10	0.80%	5	24	29	7	3	4
51-9122	Painters, Transportation Equipment	863	924	61	7.07%	30	16	46	7	3	4
51-9151	Photographic Process Workers and Processing Machine Operators	83	82	-1	-1.20%	0	2	2	7	3	5
51-9191	Adhesive Bonding Machine Operators and Tenders	448	452	4	0.89%	2	12	14	7	3	4
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	384	396	12	3.13%	6	10	16	8	3	4
51-9193	Cooling and Freezing Equipment Operators and Tenders	542	555	13	2.40%	6	10	16	7	3	4
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	251	258	7	2.79%	4	8	12	7	3	3
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,822	1,820	-2	-0.11%	0	32	32	7	3	4
51-9198	Helpers--Production Workers	9,148	9,295	147	1.61%	74	289	363	8	3	5
51-9199	Production Workers, All Other	3,871	3,994	123	3.18%	62	74	136	7	3	4
53-0000	<b>TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS</b>	<b>109,214</b>	<b>112,280</b>	<b>3,066</b>	<b>2.81%</b>	<b>1,564</b>	<b>2,490</b>	<b>4,054</b>			
<i>53-1000</i>	<i>Supervisors of Transportation and Material Moving Workers</i>	<i>3,686</i>	<i>3,784</i>	<i>98</i>	<i>2.66%</i>	<i>49</i>	<i>112</i>	<i>161</i>			
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	2,229	2,289	60	2.69%	30	68	98	7	2	6
<i>53-2000</i>	<i>Air Transportation Workers</i>	<i>751</i>	<i>755</i>	<i>4</i>	<i>0.53%</i>	<i>5</i>	<i>16</i>	<i>21</i>			
53-2011	Airline Pilots, Copilots, and Flight Engineers	105	103	-2	-1.90%	0	2	2	3	2	4
53-2012	Commercial Pilots	502	511	9	1.79%	4	10	14	7	3	4
53-2021	Air Traffic Controllers	118	114	-4	-3.39%	0	4	4	4	3	3
<i>53-3000</i>	<i>Motor Vehicle Operators</i>	<i>53,145</i>	<i>54,429</i>	<i>1,284</i>	<i>2.42%</i>	<i>642</i>	<i>828</i>	<i>1,470</i>			
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	87	91	4	4.60%	2	2	4	7	3	4
53-3021	Bus Drivers, Transit and Intercity	339	342	3	0.88%	2	4	6	7	3	4
53-3022	Bus Drivers, School or Special Client	5,317	5,368	51	0.96%	26	63	89	7	3	5
53-3031	Driver/Sales Workers	2,571	2,589	18	0.70%	9	41	50	7	3	5

\*For training codes, refer to page 89.

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SOC Code	Standard Occupational Classification (SOC) Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual-Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Education*	Work Experience*	Training*
53-3032	Heavy and Tractor-Trailer Truck Drivers	36,679	37,599	920	2.51%	460	584	1,044	5	3	5
53-3033	Light Truck or Delivery Services Drivers	6,032	6,222	190	3.15%	95	96	191	7	3	5
53-3041	Taxi Drivers and Chauffeurs	1,925	2,016	91	4.73%	46	32	78	8	3	5
53-3099	Motor Vehicle Operators, All Other	195	202	7	3.59%	4	6	10	8	3	5
<b>53-6000</b>	<b>Other Transportation Workers</b>	<b>1,842</b>	<b>1,904</b>	<b>62</b>	<b>3.37%</b>	<b>32</b>	<b>80</b>	<b>112</b>			
53-6021	Parking Lot Attendants	191	200	9	4.71%	4	12	16	8	3	5
53-6031	Automotive and Watercraft Service Attendants	1,084	1,123	39	3.60%	20	48	68	8	3	5
53-6041	Traffic Technicians	26	27	1	3.85%	0	1	1	7	3	4
53-6061	Transportation Attendants, Except Flight Attendants	83	82	-1	-1.20%	0	2	2	7	3	5
53-6099	Transportation Workers, All Other	229	243	14	6.11%	7	10	17	7	3	5
<b>53-7000</b>	<b>Material Moving Workers</b>	<b>47,510</b>	<b>48,921</b>	<b>1,411</b>	<b>2.97%</b>	<b>730</b>	<b>1,369</b>	<b>2,099</b>			
53-7011	Conveyor Operators and Tenders	631	645	14	2.22%	7	18	25	8	3	5
53-7021	Crane and Tower Operators	959	1,036	77	8.03%	38	32	70	7	2	4
53-7032	Excavating and Loading Machine and Dragline Operators	532	542	10	1.88%	5	7	12	7	2	4
53-7041	Hoist and Winch Operators	52	57	5	9.62%	2	2	4	8	3	5
53-7051	Industrial Truck and Tractor Operators	6,813	6,970	157	2.30%	78	163	241	8	3	5
53-7061	Cleaners of Vehicles and Equipment	3,924	4,073	149	3.80%	74	141	215	8	3	5
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	24,969	25,798	829	3.32%	414	770	1,184	8	3	5
53-7063	Machine Feeders and Offbearers	2,076	2,113	37	1.78%	18	47	65	8	3	5
53-7064	Packers and Packagers, Hand	5,379	5,494	115	2.14%	58	134	192	8	3	5
53-7072	Pump Operators, Except Wellhead Pumps	54	50	-4	-7.41%	0	2	2	7	3	4
53-7073	Wellhead Pumps	300	258	-42	-14.00%	0	11	11	7	2	4
53-7081	Refuse and Recyclable Material Collectors	1,700	1,765	65	3.82%	32	37	69	8	3	5
53-7199	Material Moving Workers, All Other	44	44	0	0.00%	0	2	2	8	3	5

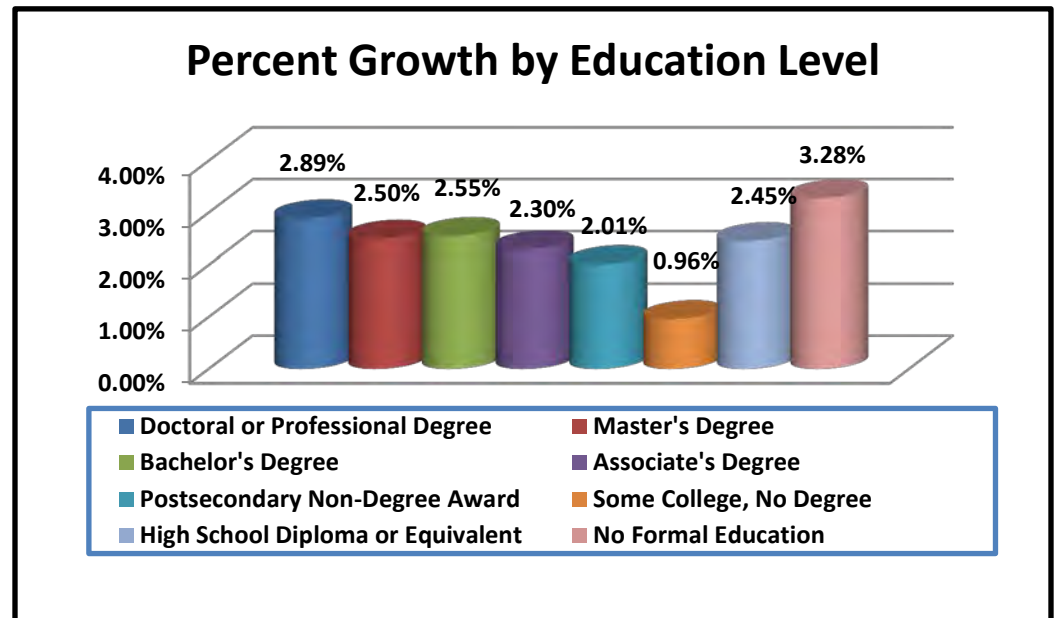
\*For training codes, refer to page 89.

## 2015-2017 Projections by Education Level

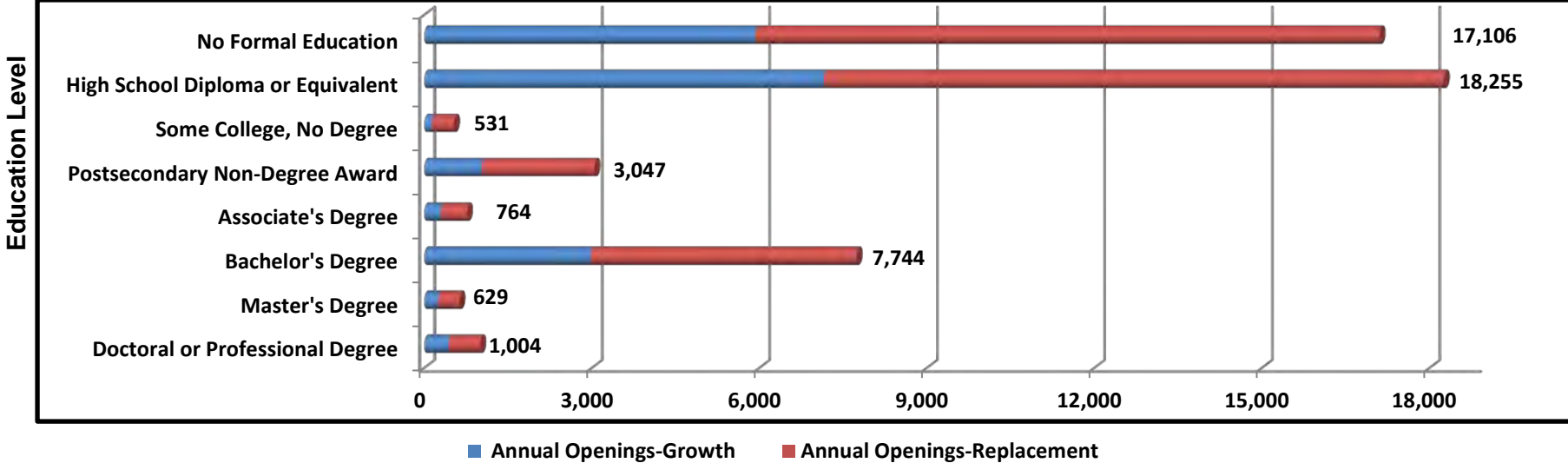
Education Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacement	Annual Openings-Total
Doctoral or professional degree	29,817	30,680	863	2.89%	433	571	1,004
Master's degree	19,033	19,508	475	2.50%	244	385	629
Bachelor's degree	229,337	235,187	5,850	2.55%	2,974	4,770	7,744
Associate's degree	23,262	23,798	536	2.30%	293	471	764
Postsecondary non-degree award	100,906	102,931	2,025	2.01%	1,028	2,019	3,047
Some college, no degree	27,058	27,319	261	0.96%	133	398	531
High school diploma or equivalent	536,320	549,449	13,129	2.45%	7,154	11,101	18,255
No formal educational credential	353,074	364,639	11,565	3.28%	5,926	11,180	17,106

## Education Outlook

Every education category is projected to see positive net growth between 2015 and 2017. Occupations needing a high school diploma are expected to add more jobs and have more annual openings with 13,129 jobs and 18,255 annual openings. At 3.28 percent, occupations where no formal education is required would grow the fastest. Jobs requiring a college degree are forecast to add 7,724 jobs into the Arkansas job market and have a combined 10,141 annual openings.



# Annual Openings by Education Level



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

### Doctoral and Professional Degree

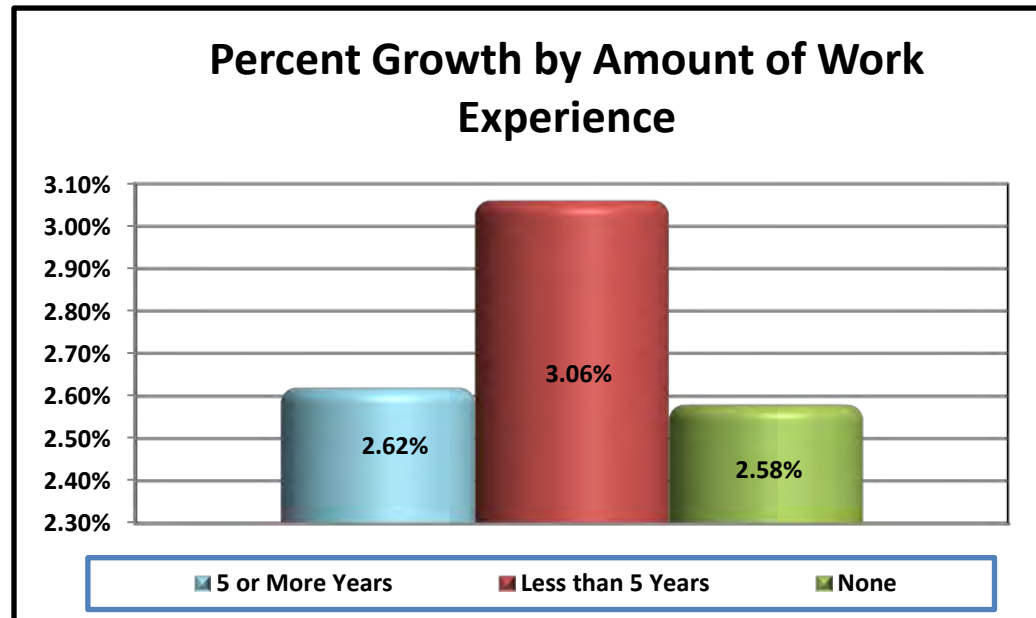
SOC Code	Standard Occupational Classification Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacement	Total Annual Openings	Work Experience	Training
23-1011	Lawyers	4,633	4,769	136	2.94%	68	60	128	None	None
29-1051	Pharmacists	2,975	3,037	62	2.08%	31	64	95	None	None
29-1123	Physical Therapists	1,826	1,924	98	5.37%	49	44	93	None	None
<b>Master's Degree</b>										
11-9032	Education Administrators, Elementary and Secondary School	2,273	2,286	13	0.57%	6	67	73	5 years or more	None
29-1127	Speech-Language Pathologists	1,721	1,786	65	3.78%	32	40	72	None	None
29-1171	Nurse Practitioners	1,088	1,159	71	6.53%	36	24	60	None	None
<b>Bachelor's Degree</b>										
29-1141	Registered Nurses	22,225	22,727	502	2.26%	251	490	741	None	None
11-1021	General and Operations Managers	17,963	18,543	580	3.23%	290	422	712	5 years or more	None
13-2011	Accountants and Auditors	7,228	7,515	287	3.97%	144	189	333	None	None
<b>Associate's Degree</b>										
25-2011	Preschool Teachers, Except Special Education	2,371	2,431	60	2.53%	30	69	99	None	None
31-2021	Physical Therapist Assistants	1,150	1,222	72	6.26%	36	31	67	None	None
29-2012	Medical and Clinical Laboratory Technicians	1,544	1,589	45	2.91%	22	38	60	None	None
<b>Postsecondary Non-Degree Award/Some College, No Degree</b>										
53-3032	Heavy and Tractor-Trailer Truck Drivers	36,679	37,599	920	2.51%	460	584	1,044	None	ST OJT
31-1014	Nursing Assistants	17,981	18,082	101	0.56%	50	380	430	None	None
29-2061	Licensed Practical and Licensed Vocational Nurses	11,527	11,620	93	0.81%	46	322	368	None	None
<b>High School Diploma or Equivalent</b>										
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,101	55,419	1,318	2.44%	659	896	1,555	5 years or more	None
43-9061	Office Clerks, General	32,470	33,285	815	2.51%	408	685	1,093	None	ST OJT
43-4051	Customer Service Representatives	18,865	19,684	819	4.34%	410	438	848	None	ST OJT
<b>No Formal Education Required</b>										
41-2031	Retail Salespersons	39,620	41,646	2,026	5.11%	1,013	1,482	2,495	None	ST OJT
41-2011	Cashiers	31,488	32,284	796	2.53%	398	1,596	1,994	None	ST OJT
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	24,259	25,492	1,233	5.08%	616	944	1,560	None	ST OJT

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

## 2015-2017 Projections by Amount of Work Experience

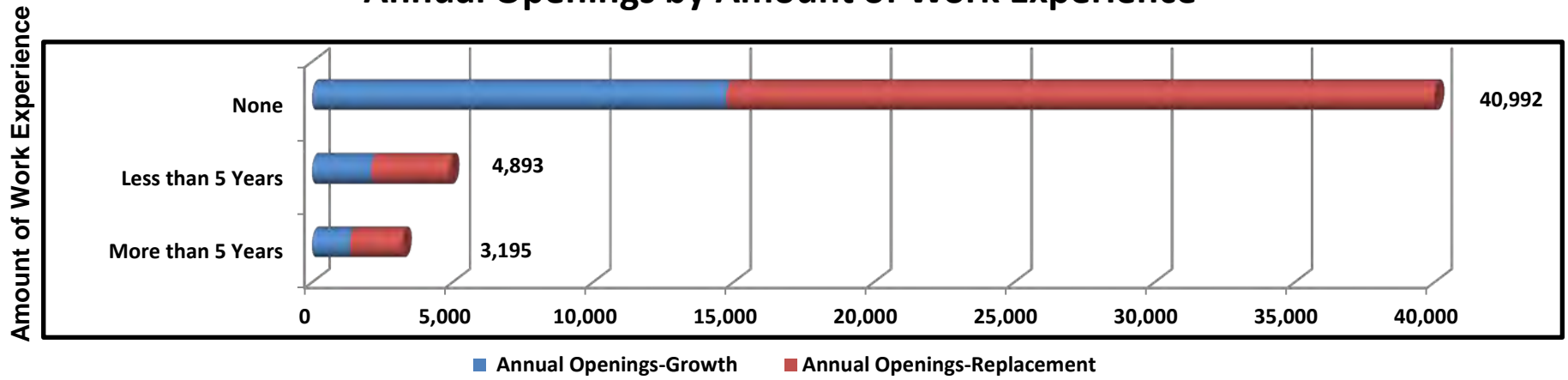
Work Experience Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacement	Annual Openings-Total
5 years or more	102,497	105,178	2,681	2.62%	1,340	1,855	3,195
Less than 5 years	134,482	138,599	4,117	3.06%	2,099	2,794	4,893
None	1,081,828	1,109,734	27,906	2.58%	14,746	26,246	40,992

## Work Experience Outlook





## Annual Openings by Amount of Work Experience

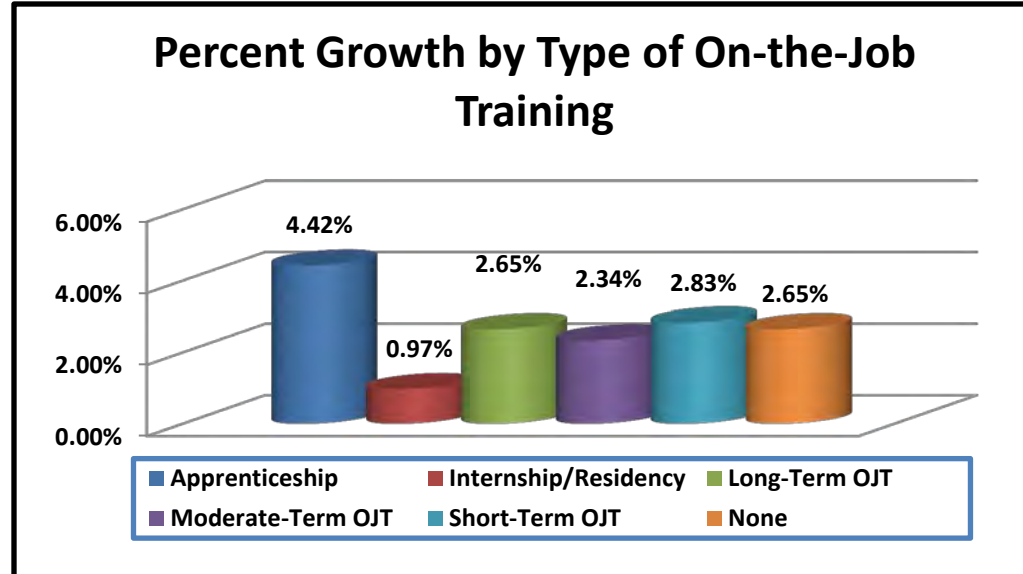


Another factor in determining full competency in an occupation is on-the-job training. Many occupations require additional training beyond formal education. Many jobs in education and the medical field require internships or residency. Many skills-trade occupations recommend or require apprenticeship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

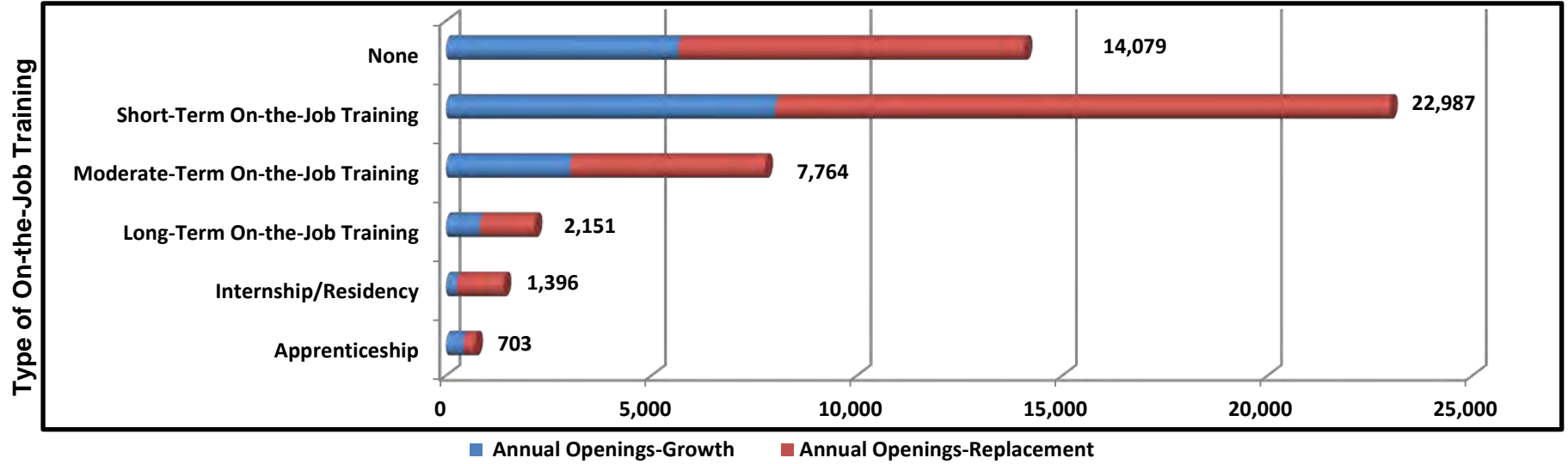
## 2015-2017 Projections by Type of On-the-Job Training

Job Training Title	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacement	Annual Openings-Total
Apprenticeship	19,149	19,996	847	4.42%	423	280	703
Internship/residency	51,487	51,985	498	0.97%	255	1,141	1,396
Long-term on-the-job training	55,685	57,159	1,474	2.65%	820	1,331	2,151
Moderate-term on-the-job training	226,615	231,908	5,293	2.34%	3,025	4,739	7,764
Short-term on-the-job training	544,970	560,392	15,422	2.83%	8,010	14,977	22,987
None	420,901	432,071	11,170	2.65%	5,652	8,427	14,079

## Training Outlook



## Annual Openings by Type of On-the-Job Training



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

## 2015-2017 Projections by Education Training Path

Education	Work Experience	Additional Training	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacement	Annual Openings-Total
Doctoral or Professional Degree	5 years or more	Short-Term On-the-Job Training	802	814	12	1.50%	6	11	17
Doctoral or Professional Degree	Less than 5 years	None	2,001	2,068	67	3.35%	34	32	66
Doctoral or Professional Degree	None	Internship/Residency	7,393	7,595	202	2.73%	102	182	284
Doctoral or Professional Degree	None	None	19,621	20,203	582	2.97%	291	346	637
Master's Degree	5 years or more	None	4,036	4,064	28	0.69%	14	79	93
Master's Degree	Less than 5 years	None	2,009	2,059	50	2.49%	24	52	76
Master's Degree	None	Internship/Residency	1,263	1,313	50	3.96%	27	23	50
Master's Degree	None	None	11,725	12,072	347	2.96%	179	231	410
Bachelor's Degree	5 years or more	None	34,681	35,763	1,082	3.12%	540	756	1,296
Bachelor's Degree	Less than 5 years	Internship/Residency	1,364	1,359	-5	-0.37%	0	33	33
Bachelor's Degree	Less than 5 years	Moderate-Term On-the-Job Training	130	129	-1	-0.77%	0	2	2
Bachelor's Degree	Less than 5 years	None	31,617	32,600	983	3.11%	508	634	1,142
Bachelor's Degree	Less than 5 years	Short-Term On-the-Job Training	186	191	5	2.69%	2	4	6
Bachelor's Degree	None	Internship/Residency	41,467	41,718	251	0.61%	126	903	1,029
Bachelor's Degree	None	Long-Term On-the-Job Training	7,485	7,782	297	3.97%	149	198	347
Bachelor's Degree	None	Moderate-Term On-the-Job Training	23,280	23,860	580	2.49%	293	439	732

Education	Work Experience	Additional Training	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacement	Annual Openings-Total
Bachelor's Degree	None	None	87,578	90,224	2,646	3.02%	1,344	1,769	3,113
Bachelor's Degree	None	Short-Term On-the-Job Training	1,549	1,561	12	0.77%	12	32	44
Associate's Degree	Less than 5 years	None	762	778	16	2.10%	8	14	22
Associate's Degree	None	Long-Term On-the-Job Training	486	494	8	1.65%	6	12	18
Associate's Degree	None	Moderate-Term On-the-Job Training	1,883	1,915	32	1.70%	18	46	64
Associate's Degree	None	None	19,933	20,420	487	2.44%	261	395	656
Associate's Degree	None	Short-Term On-the-Job Training	198	191	-7	-3.54%	0	4	4
Postsecondary Non-Degree Award	5 years or more	Moderate-Term On-the-Job Training	34	34	0	0.00%	0	1	1
Postsecondary Non-Degree Award	Less than 5 years	Moderate-Term On-the-Job Training	611	624	13	2.13%	6	25	31
Postsecondary Non-Degree Award	Less than 5 years	None	348	362	14	4.02%	7	10	17
Postsecondary Non-Degree Award	Less than 5 years	Short-Term On-the-Job Training	630	638	8	1.27%	4	5	9
Postsecondary Non-Degree Award	None	Long-Term On-the-Job Training	6,609	6,826	217	3.28%	112	141	253
Postsecondary Non-Degree Award	None	Moderate-Term On-the-Job Training	1,788	1,782	-6	-0.34%	2	20	22
Postsecondary Non-Degree Award	None	None	47,458	48,116	658	1.39%	335	1,068	1,403
Postsecondary Non-Degree Award	None	Short-Term On-the-Job Training	43,428	44,549	1,121	2.58%	562	749	1,311
Some College, No Degree	None	Long-Term On-the-Job Training	62	58	-4	-6.45%	0	2	2
Some College, No Degree	None	Moderate-Term On-the-Job Training	13,357	13,369	12	0.09%	6	130	136
Some College, No Degree	None	None	12,557	12,759	202	1.61%	101	246	347
Some College, No Degree	None	Short-Term On-the-Job Training	1,082	1,133	51	4.71%	26	20	46

Education	Work Experience	Additional Training	2015 Estimated Employment	2017 Projected Employment	Net Growth	Percent Growth	Annual Openings-Growth	Annual Openings-Replacement	Annual Openings-Total
High School Diploma or Equivalent	5 years or more	Long-Term On-the-Job Training	84	86	2	2.38%	1	2	3
High School Diploma or Equivalent	5 years or more	Moderate-Term On-the-Job Training	718	730	12	1.67%	6	18	24
High School Diploma or Equivalent	5 years or more	None	62,142	63,687	1,545	2.49%	773	988	1,761
High School Diploma or Equivalent	Less than 5 years	Long-Term On-the-Job Training	164	163	-1	-0.61%	0	3	3
High School Diploma or Equivalent	Less than 5 years	Moderate-Term On-the-Job Training	5,108	5,242	134	2.62%	87	150	237
High School Diploma or Equivalent	Less than 5 years	None	80,383	82,714	2,331	2.90%	1,167	1,583	2,750
High School Diploma or Equivalent	None	Apprenticeship	19,149	19,996	847	4.42%	423	280	703
High School Diploma or Equivalent	None	Long-Term On-the-Job Training	37,667	38,532	865	2.30%	506	912	1,418
High School Diploma or Equivalent	None	Moderate-Term On-the-Job Training	156,383	160,011	3,628	2.32%	2,079	3,392	5,471
High School Diploma or Equivalent	None	None	2,053	2,118	65	3.17%	32	27	59
High School Diploma or Equivalent	None	Short-Term On-the-Job Training	172,469	176,170	3,701	2.15%	2,080	3,746	5,826
No Formal Educational Credential	Less than 5 years	Moderate-Term On-the-Job Training	9,169	9,672	503	5.49%	252	247	499
No Formal Educational Credential	None	Long-Term On-the-Job Training	3,128	3,218	90	2.88%	46	61	107
No Formal Educational Credential	None	Moderate-Term On-the-Job Training	14,154	14,540	386	2.73%	276	269	545
No Formal Educational Credential	None	None	1,997	2,064	67	3.36%	34	197	231
No Formal Educational Credential	None	Short-Term On-the-Job Training	324,626	335,145	10,519	3.24%	5,318	10,406	15,724

# Top 15 Content Skills

(Learned capabilities that allow workers to master and perform the specific activities of their jobs)

Skill	Job Openings	Description
Speaking	20,494	Talking to others to convey information effectively.
Active Listening	17,787	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	9,518	Understanding written sentences and paragraphs in work related documents.
Social Perceptiveness	6,674	Being aware of other's reactions and understanding why they react as they do.
Critical Thinking	5,508	Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
Service Orientation	4,724	Actively looking for ways to help people.
Management of Personnel Resources	4,521	Motivating, developing, and directing people as they work, identifying the best people for the job.
Writing	3,713	Communicating effectively in writing as appropriate for the needs of the audience.
Instructing	3,459	Teaching others how to do something.
Monitoring	2,858	Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
Judgment and Decision Making	2,853	Considering the relative costs and benefits of potential actions to choose the most appropriate one.
Operation and Control	2,624	Controlling operations of equipment or systems.
Coordination	2,621	Adjusting actions in relation to others' actions.
Learning Strategies	2,385	Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.
Repairing	1,635	Repairing machines or systems using the needed tools.

# Top 15 Knowledge Domains

(Learned sets of facts and standards required by many work situations)

Knowledge Domain	Job Openings	Description
Customer and Personal Service	38,547	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	14,278	Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.
Administration and Management	7,960	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	5,226	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.
Personnel and Human Resources	5,139	Knowledge of principles and procedures for personnel recruitment, selection, training, compensation and benefits, labor relations and negotiation, and personnel information systems.
Production and Processing	4,949	Knowledge of raw materials, production processes, quality control, costs, and other techniques for maximizing the effective manufacture and distribution of goods.
Psychology	4,682	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.
Medicine and Dentistry	4,436	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.
Sales and Marketing	4,242	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.
Education and Training	3,749	Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects.
Mechanical	3,672	Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
Building and Construction	2,692	Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads.
Computers and Electronics	2,317	Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.
Mathematics	2,117	Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.
Public Safety and Security	1,949	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.



# Top 15 Generalized Work Activities

(The types of tasks that are common to many jobs)

Generalized Work Activities	Job Openings	Description
Getting Information	54,714	Observing, receiving, and otherwise obtaining information from all relevant sources.
Communicating with Supervisors, Peers, or Subordinates	44,208	Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
Making Decisions and Solving Problems	31,399	Analyzing information and evaluating results to choose the best solution and solve problems.
Performing for or Working Directly with the Public	26,771	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	22,523	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	22,456	Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
Establishing and Maintaining Interpersonal Relationships	20,479	Developing constructive and cooperative working relationships with others, and maintaining them over time.
Organizing, Planning, and Prioritizing Work	19,317	Developing specific goals and plans to prioritize, organize, and accomplish your work.
Documenting/Recording Information	17,180	Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.
Updating and Using Relevant Knowledge	14,306	Keeping up-to-date technically and applying new knowledge to your job.
Monitor Processes, Materials, or Surroundings	12,392	Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
Assisting and Caring for Others	12,350	Providing personal assistance, medical attention, emotional support, or other personal care to others such as coworkers, customers, or patients.
Performing General Physical Activities	12,090	Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
Evaluating Information to Determine Compliance with Standards	11,907	Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.
Communicating with Persons Outside Organization	11,351	Communicating with people outside the organization, representing the organization to customers, the public, government, and other external sources.

## Appendix: Definition of Education/Training Codes

Education Code	Type of Education	Definition
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	No Formal Education Credential	Signifies completion of any level of primary or secondary education that did not result in a High School Diploma or equivalent.

Training Code	Type of Training	Definition
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.

Work Experience Code	Amount of Work Experience
1	5 or More Years
2	Less than 5 Years
3	None