

The background features a collection of overlapping circles in various colors (teal, orange, grey, white, yellow) and patterns (grid, stripes, solid). The circles are scattered across the top and middle of the page, creating a dynamic and modern aesthetic.

# Arkansas-Statewide

Long-term Industry and Occupational Projections

**2018-2028**

# STATE OF ARKANSAS LONG-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2018-2028



Arkansas Division of  
**Workforce Services**

**Asa Hutchinson, Governor  
State of Arkansas**

**Charise Childers, Ph.D., Director  
Division of Workforce Services**

**Published By:  
Arkansas Department of Commerce  
Division of Workforce Services  
Labor Market Information  
Occupational Career Information**

**“Equal Opportunity Employer/Program”  
“Auxiliary aids and services are available upon request to individuals with disabilities.”**

**P.O. Box 2981  
Little Rock, AR 72203  
Phone: (501) 682-3123  
Fax: (501) 682-3186  
TTD/TTY Voice: 1-800-285-1121  
TDD: 1-800-285-1131**

**State of Arkansas Home Page: <http://www.arkansas.gov>  
Division of Workforce Services Home Page: <http://www.dws.arkansas.gov>  
Labor Market Information Web Portal: <http://www.discover.arkansas.gov>**

## Table of Contents

Definition of Important Terms	3
Introduction	4
Methodology	5
State of Arkansas Profile	7
Local Workforce Development Areas	8
Explanation of Industry Projections Data	9
Industry Projections by Major Division	10
Industry Outlook	11
Percent Change by Industry Supersector	13
Top 20 Growing Industries by Numeric Change	14
Top 20 Fastest Growing Industries by Percent Change	15
Top 20 Declining Industries by Numeric Change	16
Top 20 Fastest Declining Industries by Percent Change	17
Industry Projections	18
Explanation of Occupational Projections Data	30
Occupational Projections by Major Group	31
Occupational Outlook	32
Top 20 Growing Occupations by Numeric Change	36
Top 20 Fastest Growing Occupations by Percent Change	37
Top 20 Occupations by Annual Exits	38
Top 20 Occupations by Annual Transfers	39
Top 20 Occupations by Total Annual Openings	40
Top 20 Declining Occupations by Numeric Change	41
Top 20 Fastest Declining Occupations by Percent Change	42
Occupational Projections	43
Education Outlook	71
Occupational Projections by Education/Training Level	71
Annual Openings by Education Level	72
Percent Growth by Education Level	73
Top 10 Occupations/High School Diploma or Less	74
Top 10 Occupations/Associate's Degree/Vocational Training	74
Top 10 Occupations/Bachelor's Degree or Higher	75
Work Experience Outlook	76
2018-2028 Occupational Projection by Work Experience	76
On-the-Job Training Outlook	77
2018-2028 Occupational Projections by On-the-Job Training	77
Top 15 Content Skills	78
Top 15 Knowledge Domains	79
Top 15 Work Activities	80
Appendix: Definition of Education/Training Codes	81

## Definitions of Important Terms

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

**Content Skills** – Learned capabilities that allow workers to master and perform the specific activities of their jobs.

**Current Employment Statistics (CES)** – A monthly survey of business establishments that provides estimates of employment, hours, and earnings data by industry for the nation as a whole, all states, and most major metropolitan areas.

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

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

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

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

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

**Knowledge Domain** – Learned sets of facts and standards required by many work situations.

**Metropolitan Statistical Area** – A county or group of contiguous counties that contains an urban center of at least 50,000 residents and has a high degree of economic and social ties.

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

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

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

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

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

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

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

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

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

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

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

## Introduction

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

Industries in this publication are classified by North American Industry Classification System (NAICS) codes. NAICS was created to bring consistency and comparability to the classification of industries and businesses across the United States, Canada, and Mexico.

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

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

Information about annual job openings is included in this publication. Openings are created due to a variety of factors, including employees leaving the workforce for a period of time, employees changing jobs, and expansion and growth in an occupation. It is important to look at all of these factors when determining whether a particular occupation is right for you.

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

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



# Methodology

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

## Data Development

Data development is accomplished by using the following sources:

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

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

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

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

## Industry Projections

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

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

## Occupational Projections

Occupational projections are produced by merging industries and occupations together into an industry-occupational matrix. This matrix is a table showing the occupational pattern of each industry (i.e., the ratios of employment by occupation in a specific industry). The statewide matrix is based on the *Bureau of Labor Statistics' Occupational Employment Statistics (OES) survey* and uses a Standard Occupational Classification (SOC) code for each occupation. It uses the May

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

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

### **Data Limitations**

The projections contained in this publication are estimates based on historical data. It is important to not rely on these projections as the actual employment numbers that will occur in 2028. While every attempt is made to incorporate current and future events, such as business closings, corporate layoffs, openings, and expansions, it is not possible to know everything that might happen. Events that would take place after the projection period or announcements concerning closings, layoffs, openings, and expansions known after projections were completed are not reflected in the forecasts. Also, legislative policy could cause employment to change. Events such as these will likely cause the actual employment numbers to vary significantly from these projections.

It is important to look at both numeric change and percent change when looking at projections. Generally, industries or occupations with small employment will have higher growth rates than those with larger employment, but these industries may only add a few employees over the projection period. Concerning occupational projections, it is important to look at openings associated with all three factors: Occupational Exits, Occupational Transfers, and Occupational Change.

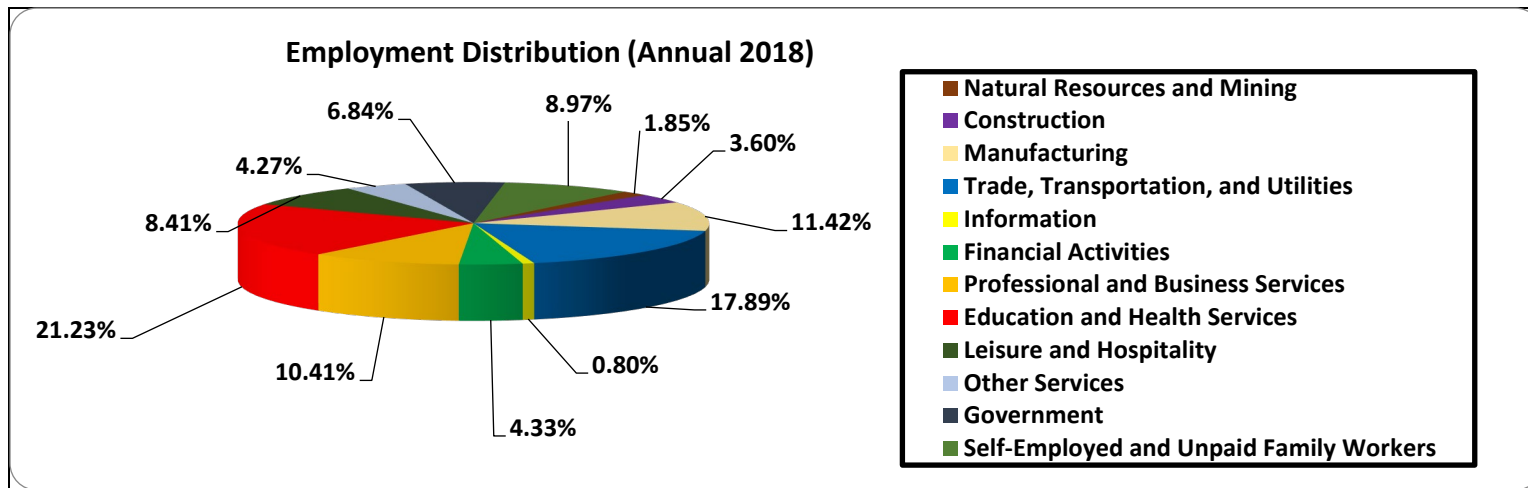
# State of Arkansas

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

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

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

Arkansas's population based on the state Census Data Center estimates was 3,009,733 as of July 1, 2018, which is an increase of 93,815 residents from the 2010 Census, and 135,170 more residents than the 2008 Population Estimate. The unemployment rate for annual 2018 was 3.6 percent.





## 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, Saline, and Pulaski counties, except the City of Little Rock

### City of Little Rock Workforce Development Area

City limits of Little Rock

### Eastern Arkansas Workforce Development Area

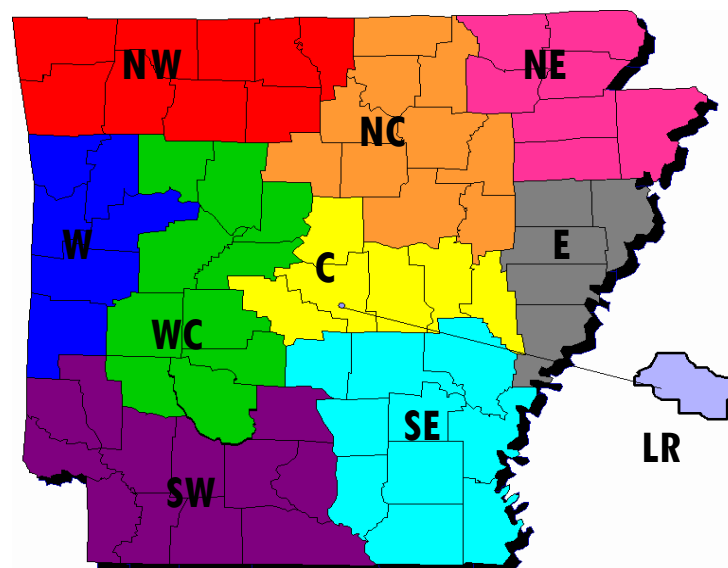
Crittenden, Cross, Lee, Phillips, and St. Francis counties

### Southwest Arkansas Workforce Development Area

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

### Southeast Arkansas Workforce Development Area

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



## Explanation of Long-Term Industry Projections Data Arkansas-Statewide 2018-2028

<b>NAICS Code</b>	<b>NAICS Title</b>	<b>2018 Estimated Employment</b>	<b>2028 Projected Employment</b>	<b>Numeric Change</b>	<b>Percent Change</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 2018	The projected number of jobs expected to be in an industry in 2028	Total number of jobs an industry is expected to gain or lose over the 2018 to 2028 period	Percent change in the number of jobs in an industry over the 2018 to 2028 period

## 2018-2028 Industry Projections by Major Division

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
<b>000000</b>	<b>TOTAL ALL INDUSTRIES</b>	<b>1,408,747</b>	<b>1,527,428</b>	<b>118,681</b>	<b>8.42%</b>
<b>000671</b>	<b>Total Self Employed and Unpaid Family Workers, All Jobs</b>	<b>126,339</b>	<b>133,099</b>	<b>6,760</b>	<b>5.35%</b>
006010	Self Employed Workers, All Jobs	118,422	123,952	5,530	4.67%
007010	Unpaid Family Workers, All Jobs	7,917	9,147	1,230	15.54%
101000	Goods Producing	237,627	248,567	10,940	4.60%
<b>101100</b>	<b>NATURAL RESOURCES AND MINING</b>	<b>25,999</b>	<b>26,954</b>	<b>955</b>	<b>3.67%</b>
110000	Agriculture, Forestry, Fishing and Hunting	22,093	22,984	891	4.03%
210000	Mining	3,906	3,970	64	1.64%
<b>101200</b>	<b>CONSTRUCTION</b>	<b>50,771</b>	<b>56,738</b>	<b>5,967</b>	<b>11.75%</b>
<b>101300</b>	<b>MANUFACTURING</b>	<b>160,857</b>	<b>164,875</b>	<b>4,018</b>	<b>2.50%</b>
	<b>Non-Durable Goods Manufacturing</b>	<b>84,166</b>	<b>87,193</b>	<b>3,027</b>	<b>3.60%</b>
	<b>Durable Goods Manufacturing</b>	<b>76,691</b>	<b>77,682</b>	<b>991</b>	<b>1.29%</b>
102000	Services Providing	1,044,781	1,145,762	100,981	9.67%
<b>102100</b>	<b>TRADE, TRANSPORTATION, AND UTILITIES</b>	<b>251,971</b>	<b>262,723</b>	<b>10,752</b>	<b>4.27%</b>
420000	Wholesale Trade	47,075	49,194	2,119	4.50%
440000	Retail Trade	139,029	142,909	3,880	2.79%
480000	Transportation and Warehousing	58,070	62,468	4,398	7.57%
220000	Utilities	7,797	8,152	355	4.55%
<b>102200</b>	<b>INFORMATION</b>	<b>11,223</b>	<b>10,558</b>	<b>-665</b>	<b>-5.93%</b>
<b>102300</b>	<b>FINANCIAL ACTIVITIES</b>	<b>60,974</b>	<b>66,932</b>	<b>5,958</b>	<b>9.77%</b>
520000	Finance and Insurance	47,368	52,308	4,940	10.43%
530000	Real Estate and Rental and Leasing	13,606	14,624	1,018	7.48%
<b>102400</b>	<b>PROFESSIONAL AND BUSINESS SERVICES</b>	<b>146,599</b>	<b>165,514</b>	<b>18,915</b>	<b>12.90%</b>
540000	Professional, Scientific, and Technical Services	43,845	48,959	5,114	11.66%
550000	Management of Companies and Enterprises	34,782	40,395	5,613	16.14%
560000	Administrative and Support and Waste Management and Remediation Services	67,972	76,160	8,188	12.05%
<b>102500</b>	<b>EDUCATION AND HEALTH SERVICES</b>	<b>299,081</b>	<b>335,553</b>	<b>36,472</b>	<b>12.19%</b>
610000	Educational Services	108,629	113,795	5,166	4.76%
620000	Health Care and Social Assistance	190,452	221,758	31,306	16.44%
<b>102600</b>	<b>LEISURE AND HOSPITALITY</b>	<b>118,424</b>	<b>134,339</b>	<b>15,915</b>	<b>13.44%</b>
710000	Arts, Entertainment, and Recreation	11,426	12,626	1,200	10.50%
720000	Accommodation and Food Services	106,998	121,713	14,715	13.75%
<b>102700</b>	<b>OTHER SERVICES (EXCEPT GOVERNMENT)</b>	<b>60,130</b>	<b>67,209</b>	<b>7,079</b>	<b>11.77%</b>
<b>102800</b>	<b>GOVERNMENT</b>	<b>96,379</b>	<b>102,934</b>	<b>6,555</b>	<b>6.80%</b>

# Industry Outlook

The job market in Arkansas is projected to add 118,681 new jobs during the 2018-2028 projection period, an 8.42 percent increase.

**Goods-Producing** industries are expected to add 10,940 new jobs, while the **Services-Providing** industries should see most of the growth, with 100,981 new jobs being added. Self-Employed and Unpaid Family Workers could see 6,760 more jobs during this period.

The **Natural Resources and Mining** supersector is expected to gain 955 jobs during the projection period. Driving the growth is the **Agriculture, Forestry, Fishing, and Hunting** sector, which could see a gain of 891 jobs over the projection period. However, Logging could see a loss of 306 jobs, placing among the Top 10 of the Top 20 Declining Industries list. The **Mining** sector is slated to experience a net gain of 64 jobs. While *Support Activities for Mining* could see a gain of 80 jobs, *Oil and Gas Extraction* is predicted to lose 65.

**Construction** is estimated to be the top and fastest growing among Goods-Producing supersectors, adding 5,967 jobs, or 11.75 percent to its workforce during the projection period. More than 66 percent of the growth could come in the *Specialty Trade Contractors* subsector, with a growth of 3,965 new jobs over the 10-year period. Driving this growth is Building Equipment Contractors, which is forecast to add 2,635 new jobs, an increase of 14.95 percent, making the Top 20 Growing Industries list. On the negative side of the economy, Land Subdivision could see a loss of more than a third of its workforce, placing second in the state in percent decline.

The **Manufacturing** supersector is expected to increase employment by 4,018 jobs by 2028. **Non-Durable Goods Manufacturing** could see 3,027 of these jobs and the *Food Manufacturing* subsector is the driving force behind the growth, with a projected gain of 2,329. Animal Slaughtering and Processing is the top growing industry in **Manufacturing**, with a growth of 1,417 jobs. Fabric Mills is forecasted to be the fastest growing industry in the state between 2018 and 2028, nearly tripling in size, as an influx of clothing and fabric manufacturing firms have expressed interest in the state over the years. However, on the negative side of the job market, several **Non-Durable Goods**

**Manufacturing** industries, five, in all, made the Top 20 Declining Industries list. Leading the pack is Printing and Related Support Activities, with a loss of 413, placing fourth in the state in numeric decline. Apparel Knitting Mills is slated to be the fastest declining industry in **Manufacturing**, and third statewide, with a potential loss of 29.63 percent of its workforce.

**Durable Goods Manufacturing** is expecting a net gain of 991 jobs over the next 10 years. The largest increase in jobs should be seen in the *Transportation Equipment Manufacturing* subsector, with 1,222 jobs anticipated overall. Iron and Steel Mills and Ferroalloy Manufacturing could see a 28.43 percent rise in jobs, placing the industry among the ten fastest growing industries in the state. The *Fabricated Metal Product Manufacturing* subsector is also projected to add more than 1,000 jobs during the projection period. However, not all Durable Goods Manufacturing industries are slated to see so bright a future. The *Machinery Manufacturing* subsector is estimated to lose 486 jobs, placing second in the state in numeric decline. In all, seven **Durable Goods Manufacturing** industries made the Top 20 Declining Industries list. Foundries is projected to be among the ten fastest declining industries in the state, with a loss of 16.35 percent of its workforce, or 260 jobs.

The **Trade, Transportation, and Utilities** supersector is projected to gain 10,752 jobs over the 10-year period. Wholesale Trade could see an increase of 2,119 jobs, with *Merchant Wholesalers, Durable Goods*, anticipating adding 1,659 jobs. *Wholesale Electronic Markets and Agents and Brokers* is estimated to add 256 new jobs, while *Merchant Wholesalers, Nondurable Goods* is expected to increase employment by 204. **Retail Trade** could increase by just 3,880 jobs over the projection period. The long-term outlook for *General Merchandise Stores* looks promising, with a net gain of 1,469 jobs, but will likely see a few bumps along the way. The *Motor Vehicle and Parts Dealers* subsector is also set to experience strong growth, adding 1,266 new jobs. On the negative side of the labor market, Food and Beverage Stores is expected to lose 305 jobs between 2018 and 2028, possibly due to increased use of self-

check-out and grocery pickup and delivery. Book, Periodical, and Music Stores is slated to be the fastest declining among **Retail Trade** industries, and sixth statewide, with a loss of 21.97 percent of its workforce, due to online purchasing of these products as well as online streaming services.

The **Transportation and Warehousing** sector is projected to add 4,398 jobs. *Truck Transportation* is the biggest driver of this growth, adding 1,895 new jobs, making the Top 20 Growing Industries list. *Warehousing and Storage* is slated to increase by an additional 1,080 jobs. Other Transit and Ground Passenger Transportation is estimated to be the third fastest growing industry in the state, increasing by 40.09 percent between 2018 and 2028, while Support Activities for Rail Transportation could also be among the ten fastest growing industries in the state, with a 28.48 percent rise in jobs. Scenic and Sightseeing Transportation is projected to lose 16.67 percent of its workforce during the 2018-2028 period. **Utilities** is expected to experience a net gain of 355 jobs by 2028. Electric Power Generation, Transmission and Distribution is slated to add 300 jobs, while Natural Gas Distribution could cut 70 from its workforce.

**Information** is projected to be the only supersector to experience a net loss of jobs, with 665 being eliminated during the projection period, a 5.93 percent decline. The *Telecommunications* subsector could see a significant net loss of 754 jobs over the projection period, becoming the top declining industry in the state, and among the ten fastest declining, at a rate of 21.65 percent. Cable and Other Subscription Programming is slated to be the fastest declining industry in the state, losing 41.18 percent of its workforce. One positive in the **Information** supersector is Data Processing, Hosting and Related Services, which is forecasted to gain 293 jobs, or 20.71 percent during the 2018-2028 projection period.

The **Financial Activities** supersector is projected to add 5,958 new jobs, with the **Finance and Insurance** sector accounting for 4,940 of those new jobs. The *Insurance Carriers and Related Activities* subsector is estimated to add 4,103 jobs to its workforce. Driving this growth is Insurance Carriers, with a growth of 3,632, placing the industry among the ten highest growing industries in the state, also placing in the Top 20 Fastest Growing Industries list with a 21.61 percent growth. The *Credit Intermediation and Related Activities* subsector is estimated to add 622

new jobs to its workforce. The **Real Estate and Rental and Leasing** sector is predicted to increase by 1,018 jobs, or 7.48 percent growth. The majority of the gain is likely to occur in the *Real Estate* subsector, adding 986, or 10.39 percent to its workforce. *Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)* is forecasted to lose 12.20 percent of its workforce, placing in the Top 20 Fastest Declining Industries list.

The **Professional and Business Services** supersector is expected to add 18,915 jobs by 2028. The **Professional, Scientific, and Technical Services** sector should anticipate 5,114 jobs over the projection period. Driving job growth is Computer Systems Design and Related Services, which is estimated to gain 1,899 of those jobs, placing in the Top 20 Growing Industries list. Management, Scientific, and Technical Consulting Services is forecast to be in the Top 20 Fastest Growing Industries list, raising employment by 21.90 percent. The **Management of Companies and Enterprises** sector could add 5,613 new jobs between 2018 and 2028, an increase of 16.14 percent. The **Administrative and Support and Waste Management and Remediation Services** sector could see a growth of 8,188 new jobs. Within the sector, Employment Services should see the most growth with an estimated 3,349 new jobs, placing among the ten highest growing in the state. One downside is Travel Arrangement and Reservation Services, slated to lose 89 jobs, or 24.18 percent of its workforce, fourth in the state.

**Education and Health Services** is projected to be the top growing supersector in the state, with 36,472 new jobs being added by 2028, a 12.19 percent rise in employment. *Educational Services* could see a growth of 5,166 jobs. Elementary and Secondary Schools should see most of this growth with 3,241 jobs anticipated to be added. **Health Care and Social Assistance** is forecasted to be the top and fastest growing sector, with 31,306 jobs expected. Of those jobs, 13,315 could be found in the *Ambulatory Health Care Services*. Individual and Family Services is projected to be the top growing industry in **Education and Health Services**, adding 7,108 new jobs, the second highest in the state and among the ten fastest. Home Health Care Services is slated to add 35.16 percent to its workforce, placing fourth in the state in percent growth. In all, seven industries in **Education and Health Services**

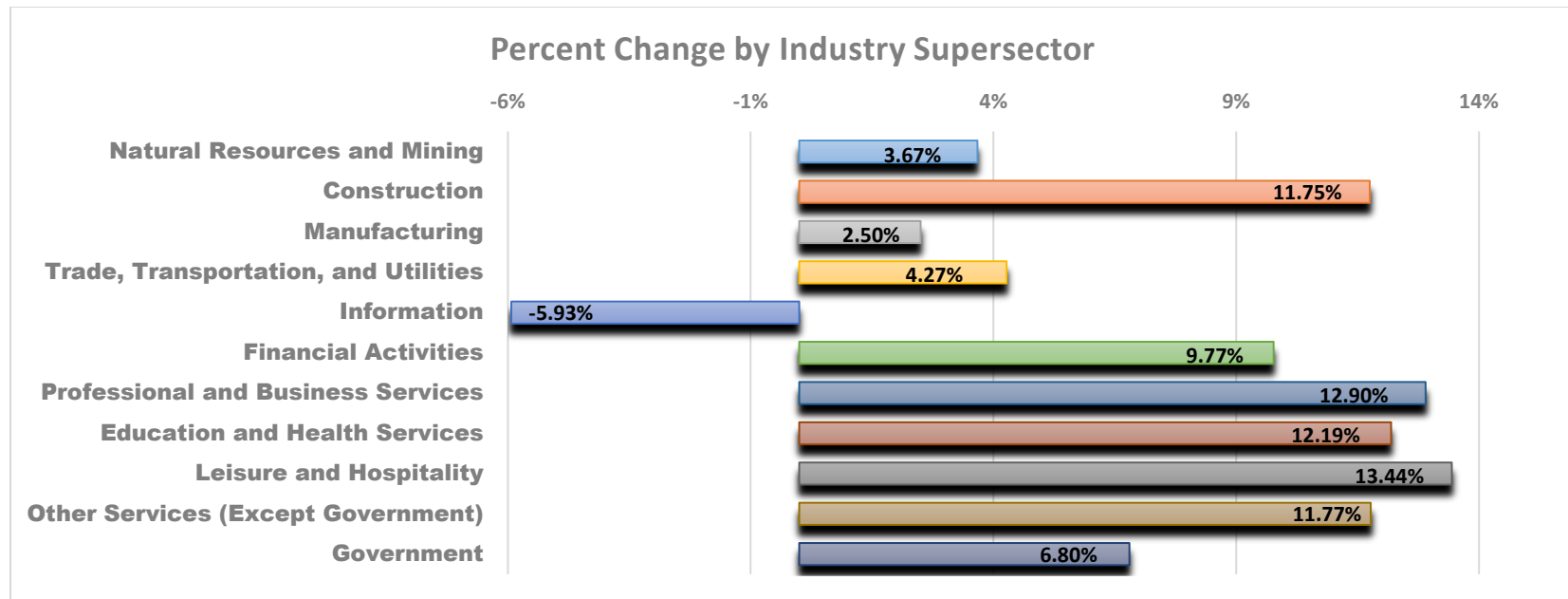
made the Top 20 Growing Industries list and six industries made the Top 20 Fastest Growing Industries list.

At 13.44 percent, the **Leisure and Hospitality** supersector would be the fastest growing in the state, equivalent to 15,915 new jobs during the projection period. Most of the growth is likely to come in the **Accommodation and Food Services** sector, which is projected to add 14,715 new jobs, a 13.75 percent increase. Driving this growth is Restaurants and Other Eating Places, which is forecast to add 13,387 new jobs between 2018 and 2028, becoming the top growing industry in the state. The **Arts, Entertainment, and Recreation** sector is estimated to add 1,200 jobs.

The **Other Services (Except Government)** supersector could add 7,079 new jobs by 2028, an increase of 11.77 percent. *Religious, Grantmaking, Civic, Professional, and Similar Organizations* could lead

the supersector with 6,023 jobs. Grantmaking and Giving Services could increase employment by 53.66 percent, second fastest in the state. Religious Organizations is anticipated to add the most jobs, with 3,028 new jobs between 2018 and 2028. Drycleaning and Laundry Services is slated to lose 112 jobs, while Personal and Household Goods Repair and Maintenance is forecasted to lose 14.22 percent of its workforce

The **Government** supersector is projected to grow by 6,555 jobs during the 10-year period. *State, Government, Excluding Education and Hospitals* should see 2,507 new jobs, while *Local Government, Excluding Education and Hospitals* could see a growth of 4,322 new jobs, placing both on the Top 20 Growing Industries list. However, Postal Service should see a decrease of 314 jobs by 2028 as small short-term gains likely will not be enough to offset long-term losses. Federal Government, Excluding Post Office is expected to gain 40 jobs.





## Top 20 Growing Industries by Numeric Change

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
722500	Restaurants and Other Eating Places	90,011	103,398	<b>13,387</b>	14.87%
624100	Individual and Family Services	25,261	32,369	<b>7,108</b>	28.14%
551000	Management of Companies and Enterprises	34,782	40,395	<b>5,613</b>	16.14%
621100	Offices of Physicians	25,312	30,038	<b>4,726</b>	18.67%
999300	Local Government, Excluding Education and Hospitals	41,740	46,062	<b>4,322</b>	10.35%
524100	Insurance Carriers	16,806	20,438	<b>3,632</b>	21.61%
622100	General Medical and Surgical Hospitals	52,392	55,953	<b>3,561</b>	6.80%
561300	Employment Services	29,158	32,507	<b>3,349</b>	11.49%
611100	Elementary and Secondary Schools	71,932	75,173	<b>3,241</b>	4.51%
813100	Religious Organizations	25,120	28,148	<b>3,028</b>	12.05%
621300	Offices of Other Health Practitioners	9,283	11,967	<b>2,684</b>	28.91%
238200	Building Equipment Contractors	17,625	20,260	<b>2,635</b>	14.95%
999200	State Government, Excluding Education and Hospitals	34,280	36,787	<b>2,507</b>	7.31%
621600	Home Health Care Services	6,948	9,391	<b>2,443</b>	35.16%
623100	Nursing Care Facilities (Skilled Nursing Facilities)	22,865	25,061	<b>2,196</b>	9.60%
541500	Computer Systems Design and Related Services	9,594	11,493	<b>1,899</b>	19.79%
484000	Truck Transportation	32,419	34,314	<b>1,895</b>	5.85%
561700	Services to Buildings and Dwellings	15,148	16,893	<b>1,745</b>	11.52%
624400	Child Day Care Services	10,236	11,911	<b>1,675</b>	16.36%
813200	Grantmaking and Giving Services	3,097	4,759	<b>1,662</b>	53.66%

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

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Estimated Employment	Numeric Change	Percent Change
313200	Fabric Mills	95	275	180	<b>189.47%</b>
813200	Grantmaking and Giving Services	3,097	4,759	1,662	<b>53.66%</b>
485900	Other Transit and Ground Passenger Transportation	1,065	1,492	427	<b>40.09%</b>
621600	Home Health Care Services	6,948	9,391	2,443	<b>35.16%</b>
621500	Medical and Diagnostic Laboratories	1,356	1,799	443	<b>32.67%</b>
623300	Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly	4,319	5,713	1,394	<b>32.28%</b>
621300	Offices of Other Health Practitioners	9,283	11,967	2,684	<b>28.91%</b>
488200	Support Activities for Rail Transportation	797	1,024	227	<b>28.48%</b>
331100	Iron and Steel Mills and Ferroalloy Manufacturing	3,222	4,138	916	<b>28.43%</b>
624100	Individual and Family Services	25,261	32,369	7,108	<b>28.14%</b>
621400	Outpatient Care Centers	5,247	6,668	1,421	<b>27.08%</b>
511200	Software Publishers	406	515	109	<b>26.85%</b>
813300	Social Advocacy Organizations	4,702	5,926	1,224	<b>26.03%</b>
562900	Remediation and Other Waste Management Services	1,147	1,430	283	<b>24.67%</b>
562100	Waste Collection	1,279	1,588	309	<b>24.16%</b>
541600	Management, Scientific, and Technical Consulting Services	6,653	8,110	1,457	<b>21.90%</b>
524100	Insurance Carriers	16,806	20,438	3,632	<b>21.61%</b>
488400	Support Activities for Road Transportation	794	965	171	<b>21.54%</b>
488900	Other Support Activities for Transportation	126	153	27	<b>21.43%</b>
336200	Motor Vehicle Body and Trailer Manufacturing	2,147	2,599	452	<b>21.05%</b>

### Top 20 Declining Industries by Numeric Change

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
517000	Telecommunications	3,482	2,728	<b>-754</b>	-21.65%
333000	Machinery Manufacturing	11,357	10,871	<b>-486</b>	-4.28%
327000	Nonmetallic Mineral Product Manufacturing	3,649	3,195	<b>-454</b>	-12.44%
323000	Printing and Related Support Activities	3,854	3,441	<b>-413</b>	-10.72%
311400	Fruit and Vegetable Preserving and Specialty Food Manufacturing	4,093	3,742	<b>-351</b>	-8.58%
335300	Electrical Equipment Manufacturing	2,999	2,660	<b>-339</b>	-11.30%
322100	Pulp, Paper, and Paperboard Mills	3,881	3,559	<b>-322</b>	-8.30%
491100	Postal Service	5,560	5,246	<b>-314</b>	-5.65%
113300	Logging	2,078	1,772	<b>-306</b>	-14.73%
445000	Food and Beverage Stores	19,350	19,045	<b>-305</b>	-1.58%
322200	Converted Paper Product Manufacturing	5,766	5,471	<b>-295</b>	-5.12%
443000	Electronics and Appliance Stores	3,462	3,184	<b>-278</b>	-8.03%
511100	Newspaper, Periodical, Book, and Directory Publishers	2,679	2,407	<b>-272</b>	-10.15%
321900	Other Wood Product Manufacturing	3,303	3,035	<b>-268</b>	-8.11%
448100	Clothing Stores	6,178	5,917	<b>-261</b>	-4.22%
331500	Foundries	1,590	1,330	<b>-260</b>	-16.35%
337000	Furniture and Related Product Manufacturing	3,662	3,443	<b>-219</b>	-5.98%
315100	Apparel Knitting Mills	567	399	<b>-168</b>	-29.63%
336400	Aerospace Product and Parts Manufacturing	3,832	3,664	<b>-168</b>	-4.38%
442100	Furniture Stores	1,959	1,830	<b>-129</b>	-6.58%
515100	Radio and Television Broadcasting	1,555	1,426	<b>-129</b>	-8.30%

### Top 20 Fastest Declining Industries by Percent Change (Minimum Decline of 5)

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
515200	Cable and Other Subscription Programming	17	10	-7	<b>-41.18%</b>
237200	Land Subdivision	79	49	-30	<b>-37.97%</b>
315100	Apparel Knitting Mills	567	399	-168	<b>-29.63%</b>
561500	Travel Arrangement and Reservation Services	368	279	-89	<b>-24.18%</b>
313300	Textile and Fabric Finishing and Fabric	21	16	-5	<b>-23.81%</b>
451200	Book, Periodical, and Music Stores	478	373	-105	<b>-21.97%</b>
517000	Telecommunications	3,482	2,728	-754	<b>-21.65%</b>
487000	Scenic and Sightseeing Transportation	30	25	-5	<b>-16.67%</b>
331500	Foundries	1,590	1,330	-260	<b>-16.35%</b>
711500	Independent Artists, Writers, and Performers	67	57	-10	<b>-14.93%</b>
113300	Logging	2,078	1,772	-306	<b>-14.73%</b>
811400	Personal and Household Goods Repair and Maintenance	619	531	-88	<b>-14.22%</b>
316200	Footwear Manufacturing	904	777	-127	<b>-14.05%</b>
454200	Vending Machine Operators	466	403	-63	<b>-13.52%</b>
331400	Nonferrous Metal (except Aluminum) Production and Processing	320	277	-43	<b>-13.44%</b>
448300	Jewelry, Luggage, and Leather Goods Stores	715	620	-95	<b>-13.29%</b>
454300	Direct Selling Establishments	663	579	-84	<b>-12.67%</b>
327000	Nonmetallic Mineral Product Manufacturing	3,649	3,195	-454	<b>-12.44%</b>
533000	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	41	36	-5	<b>-12.20%</b>
334500	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	402	356	-46	<b>-11.44%</b>

# 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
<b>000000</b>	<b>TOTAL ALL INDUSTRIES</b>	<b>1,408,747</b>	<b>1,527,428</b>	<b>118,681</b>	<b>8.42%</b>
000671	<b>Total Self Employed and Unpaid Family Workers, All Jobs</b>	126,339	133,099	6,760	5.35%
006010	Self Employed Workers, All Jobs	118,422	123,952	5,530	4.67%
007010	Unpaid Family Workers, All Jobs	7,917	9,147	1,230	15.54%
101000	Goods Producing	237,627	248,567	10,940	4.60%
<b>101100</b>	<b>NATURAL RESOURCES AND MINING</b>	<b>25,999</b>	<b>26,954</b>	<b>955</b>	<b>3.67%</b>
<b>110000</b>	<b>Agriculture, Forestry, Fishing and Hunting</b>	<b>22,093</b>	<b>22,984</b>	<b>891</b>	<b>4.03%</b>
111000	<i>Crop Production</i>	7,313	7,828	515	7.04%
112000	<i>Animal Production</i>	6,519	6,892	373	5.72%
113000	<i>Forestry and Logging</i>	2,402	2,091	-311	-12.95%
113132	Forestry	324	319	-5	-1.54%
113300	Logging	2,078	1,772	-306	-14.73%
114000	<i>Fishing, Hunting and Trapping</i>	16	15	-1	-6.25%
115000	<i>Support Activities for Agriculture and Forestry</i>	5,843	6,158	315	5.39%
<b>210000</b>	<b>Mining</b>	<b>3,906</b>	<b>3,970</b>	<b>64</b>	<b>1.64%</b>
211000	<i>Oil and Gas Extraction</i>	767	702	-65	-8.47%
212000	<i>Mining (except Oil and Gas)</i>	1,770	1,819	49	2.77%
213000	<i>Support Activities for Mining</i>	1,369	1,449	80	5.84%
<b>101200</b>	<b>CONSTRUCTION</b>	<b>50,771</b>	<b>56,738</b>	<b>5,967</b>	<b>11.75%</b>
236000	<i>Construction of Buildings</i>	10,693	11,911	1,218	11.39%
236100	Residential Building Construction	3,489	3,949	460	13.18%
236200	Nonresidential Building Construction	7,204	7,962	758	10.52%

# 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
237000	<i>Heavy and Civil Engineering Construction</i>	8,016	8,800	784	9.78%
237100	Utility System Construction	4,418	4,954	536	12.13%
237200	Land Subdivision	79	49	-30	-37.97%
237300	Highway, Street, and Bridge Construction	2,834	3,157	323	11.40%
237900	Other Heavy and Civil Engineering Construction	685	640	-45	-6.57%
238000	<i>Specialty Trade Contractors</i>	32,062	36,027	3,965	12.37%
238100	Foundation, Structure, and Building Exterior Contractors	5,957	6,601	644	10.81%
238200	Building Equipment Contractors	17,625	20,260	2,635	14.95%
238300	Building Finishing Contractors	3,815	3,980	165	4.33%
238900	Other Specialty Trade Contractors	4,665	5,186	521	11.17%
<b>101300</b>	<b>MANUFACTURING</b>	<b>160,857</b>	<b>164,875</b>	<b>4,018</b>	<b>2.50%</b>
	<b>Non-Durable Goods Manufacturing</b>	<b>84,166</b>	<b>87,193</b>	<b>3,027</b>	<b>3.60%</b>
311000	<i>Food Manufacturing</i>	48,454	50,783	2,329	4.81%
311100	Animal Food Manufacturing	1,975	2,270	295	14.94%
311200	Grain and Oilseed Milling	2,680	2,791	111	4.14%
311400	Fruit and Vegetable Preserving and Specialty Food Manufacturing	4,093	3,742	-351	-8.58%
311600	Animal Slaughtering and Processing	32,905	34,322	1,417	4.31%
311800	Bakeries and Tortilla Manufacturing	3,938	4,482	544	13.81%
311900	Other Food Manufacturing	2,261	2,606	345	15.26%
	Other	602	570	-32	-5.59%
312000	<i>Beverage and Tobacco Product Manufacturing</i>	1,497	1,671	174	11.62%
313000	<i>Textile Mills</i>	116	291	175	150.86%
313200	Fabric Mills	95	275	180	189.47%
313300	Textile and Fabric Finishing and Fabric	21	16	-5	-23.81%
314000	<i>Textile Product Mills</i>	963	903	-60	-6.23%
314100	Textile Furnishings Mills	24	22	-2	-8.33%
314900	Other Textile Product Mills	939	881	-58	-6.18%



# 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
315000	<i>Apparel Manufacturing</i>	866	952	86	9.93%
315100	Apparel Knitting Mills	567	399	-168	-29.63%
	Other	299	553	254	84.95%
316000	<i>Leather and Allied Product Manufacturing</i>	1,097	952	-145	-13.22%
316200	Footwear Manufacturing	904	777	-127	-14.05%
316900	Other Leather and Allied Product Manufacturing	193	175	-18	-9.33%
322000	<i>Paper Manufacturing</i>	9,647	9,030	-617	-6.40%
322100	Pulp, Paper, and Paperboard Mills	3,881	3,559	-322	-8.30%
322200	Converted Paper Product Manufacturing	5,766	5,471	-295	-5.12%
323000	<i>Printing and Related Support Activities</i>	3,854	3,441	-413	-10.72%
324000	<i>Petroleum and Coal Products Manufacturing</i>	1,244	1,368	124	9.97%
325000	<i>Chemical Manufacturing</i>	5,498	5,981	483	8.79%
326000	<i>Plastics and Rubber Products Manufacturing</i>	10,930	11,821	891	8.15%
326100	Plastics Product Manufacturing	6,732	7,538	806	11.97%
326200	Rubber Product Manufacturing	4,198	4,283	85	2.02%
	<b>Durable Goods Manufacturing</b>	<b>76,691</b>	<b>77,682</b>	<b>991</b>	<b>1.29%</b>
321000	<i>Wood Product Manufacturing</i>	9,920	9,730	-190	-1.92%
321100	Sawmills and Wood Preservation	4,817	4,999	182	3.78%
321200	Veneer, Plywood, and Engineered Wood Product Manufacturing	1,800	1,696	-104	-5.78%
321900	Other Wood Product Manufacturing	3,303	3,035	-268	-8.11%
327000	<i>Nonmetallic Mineral Product Manufacturing</i>	3,649	3,195	-454	-12.44%
331000	<i>Primary Metal Manufacturing</i>	8,123	8,758	635	7.82%
331100	Iron and Steel Mills and Ferroalloy Manufacturing	3,222	4,138	916	28.43%
331200	Steel Product Manufacturing from Purchased Steel	2,173	2,270	97	4.46%
331300	Alumina and Aluminum Production	818	743	-75	-9.17%
331400	Nonferrous Metal (except Aluminum) Production and Processing	320	277	-43	-13.44%
331500	Foundries	1,590	1,330	-260	-16.35%
332000	<i>Fabricated Metal Product Manufacturing</i>	15,048	16,067	1,019	6.77%

# 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
333000	<i>Machinery Manufacturing</i>	11,357	10,871	-486	-4.28%
334000	<i>Computer and Electronic Product Manufacturing</i>	2,098	2,022	-76	-3.62%
334400	Semiconductor and Other Electronic Component Manufacturing	1,487	1,508	21	1.41%
334500	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	402	356	-46	-11.44%
	Other	209	158	-51	-24.40%
335000	<i>Electrical Equipment, Appliance, and Component Manufacturing</i>	4,633	4,166	-467	-10.08%
335300	Electrical Equipment Manufacturing	2,999	2,660	-339	-11.30%
335900	Other Electrical Equipment and Component Manufacturing	1,268	1,187	-81	-6.39%
	Other	366	319	-47	-12.84%
336000	<i>Transportation Equipment Manufacturing</i>	14,832	16,054	1,222	8.24%
336200	Motor Vehicle Body and Trailer Manufacturing	2,147	2,599	452	21.05%
336300	Motor Vehicle Parts Manufacturing	5,336	5,467	131	2.46%
336400	Aerospace Product and Parts Manufacturing	3,832	3,664	-168	-4.38%
336600	Ship and Boat Building	2,240	2,617	377	16.83%
	Other	1,277	1,707	430	33.67%
337000	<i>Furniture and Related Product Manufacturing</i>	3,662	3,443	-219	-5.98%
339000	<i>Miscellaneous Manufacturing</i>	3,369	3,376	7	0.21%
339100	Medical Equipment and Supplies Manufacturing	1,637	1,698	61	3.73%
339900	Other Miscellaneous Manufacturing	1,732	1,678	-54	-3.12%
102000	Services Providing	1,044,781	1,145,762	100,981	9.67%
<b>102100</b>	<b>TRADE, TRANSPORTATION, AND UTILITIES</b>	<b>251,971</b>	<b>262,723</b>	<b>10,752</b>	<b>4.27%</b>
<b>420000</b>	<b>Wholesale Trade</b>	<b>47,075</b>	<b>49,194</b>	<b>2,119</b>	<b>4.50%</b>
423000	<i>Merchant Wholesalers, Durable Goods</i>	23,605	25,264	1,659	7.03%
424000	<i>Merchant Wholesalers, Nondurable Goods</i>	18,030	18,234	204	1.13%
425000	<i>Wholesale Electronic Markets and Agents and Brokers</i>	5,440	5,696	256	4.71%

# 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
<b>440000</b>	<b>Retail Trade</b>	<b>139,029</b>	<b>142,909</b>	<b>3,880</b>	<b>2.79%</b>
441000	<i>Motor Vehicle and Parts Dealers</i>	19,201	20,467	1,266	6.59%
441100	Automobile Dealers	11,779	12,705	926	7.86%
441200	Other Motor Vehicle Dealers	1,738	1,967	229	13.18%
441300	Automotive Parts, Accessories, and Tire Stores	5,684	5,795	111	1.95%
442000	<i>Furniture and Home Furnishings Stores</i>	3,595	3,573	-22	-0.61%
442100	Furniture Stores	1,959	1,830	-129	-6.58%
442200	Home Furnishings Stores	1,636	1,743	107	6.54%
443000	<i>Electronics and Appliance Stores</i>	3,462	3,184	-278	-8.03%
444000	<i>Building Material and Garden Equipment and Supplies Dealers</i>	11,928	12,411	483	4.05%
444100	Building Material and Supplies Dealers	9,930	10,261	331	3.33%
444200	Lawn and Garden Equipment and Supplies Stores	1,998	2,150	152	7.61%
445000	<i>Food and Beverage Stores</i>	19,350	19,045	-305	-1.58%
446000	<i>Health and Personal Care Stores</i>	8,706	9,099	393	4.51%
447000	<i>Gasoline Stations</i>	12,267	12,671	404	3.29%
448000	<i>Clothing and Clothing Accessories Stores</i>	8,100	7,662	-438	-5.41%
448100	Clothing Stores	6,178	5,917	-261	-4.22%
448200	Shoe Stores	1,207	1,125	-82	-6.79%
448300	Jewelry, Luggage, and Leather Goods Stores	715	620	-95	-13.29%
451000	<i>Sporting Goods, Hobby, Book, and Music Stores</i>	4,489	4,929	440	9.80%
451100	Sporting Goods, Hobby, and Musical Instrument Stores	4,011	4,556	545	13.59%
451200	Book, Periodical, and Music Stores	478	373	-105	-21.97%
452000	<i>General Merchandise Stores</i>	39,134	40,603	1,469	3.75%
453000	<i>Miscellaneous Store Retailers</i>	7,018	7,498	480	6.84%
454000	<i>Nonstore Retailers</i>	1,779	1,767	-12	-0.67%
454100	Electronic Shopping and Mail Order Houses	650	785	135	20.77%
454200	Vending Machine Operators	466	403	-63	-13.52%
454300	Direct Selling Establishments	663	579	-84	-12.67%

# 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
<b>480000</b>	<b>Transportation and Warehousing</b>	<b>58,070</b>	<b>62,468</b>	<b>4,398</b>	<b>7.57%</b>
481000	<i>Air Transportation</i>	750	790	40	5.33%
481100	Scheduled Air Transportation	657	707	50	7.61%
481200	Nonscheduled Air Transportation	93	83	-10	-10.75%
483000	<i>Water Transportation</i>	28	24	-4	-14.29%
484000	<i>Truck Transportation</i>	32,419	34,314	1,895	5.85%
485000	<i>Transit and Ground Passenger Transportation</i>	2,141	2,584	443	20.69%
485100	Urban Transit Systems	204	157	-47	-23.04%
485200	Interurban and Rural Bus Transportation	15	14	-1	-6.67%
485300	Taxi and Limousine Service	387	440	53	13.70%
485400	School and Employee Bus Transportation	372	382	10	2.69%
485500	Charter Bus Industry	98	99	1	1.02%
485900	Other Transit and Ground Passenger Transportation	1,065	1,492	427	40.09%
486000	<i>Pipeline Transportation</i>	412	363	-49	-11.89%
486100	Pipeline Transportation of Crude Oil	121	105	-16	-13.22%
486200	Pipeline Transportation of Natural Gas	201	181	-20	-9.95%
486900	Other Pipeline Transportation	90	77	-13	-14.44%
487000	<i>Scenic and Sightseeing Transportation</i>	30	25	-5	-16.67%
488000	<i>Support Activities for Transportation</i>	5,376	6,289	913	16.98%
488100	Support Activities for Air Transportation	1,041	1,151	110	10.57%
488200	Support Activities for Rail Transportation	797	1,024	227	28.48%
488300	Support Activities for Water Transportation	426	389	-37	-8.69%
488400	Support Activities for Road Transportation	794	965	171	21.54%
488500	Freight Transportation Arrangement	2,192	2,607	415	18.93%
488900	Other Support Activities for Transportation	126	153	27	21.43%
493000	<i>Warehousing and Storage</i>	8,446	9,526	1,080	12.79%
	OTHER	8,468	8,553	85	1.00%
<b>220000</b>	<b>Utilities</b>	<b>7,797</b>	<b>8,152</b>	<b>355</b>	<b>4.55%</b>

# 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
221100	Electric Power Generation, Transmission and Distribution	5,811	6,111	300	5.16%
221200	Natural Gas Distribution	1,042	972	-70	-6.72%
221300	Water, Sewage and Other Systems	944	1,069	125	13.24%
<b>102200</b>	<b>INFORMATION</b>	<b>11,223</b>	<b>10,558</b>	<b>-665</b>	<b>-5.93%</b>
<i>511000</i>	<i>Publishing Industries (except Internet)</i>	<i>3,085</i>	<i>2,922</i>	<i>-163</i>	<i>-5.28%</i>
511100	Newspaper, Periodical, Book, and Directory Publishers	2,679	2,407	-272	-10.15%
511200	Software Publishers	406	515	109	26.85%
<i>512000</i>	<i>Motion Picture and Sound Recording Industries</i>	<i>1,328</i>	<i>1,398</i>	<i>70</i>	<i>5.27%</i>
512100	Motion Picture and Video Industries	1,314	1,386	72	5.48%
512200	Sound Recording Industries	14	12	-2	-14.29%
<i>515000</i>	<i>Broadcasting (except Internet)</i>	<i>1,572</i>	<i>1,436</i>	<i>-136</i>	<i>-8.65%</i>
515100	Radio and Television Broadcasting	1,555	1,426	-129	-8.30%
515200	Cable and Other Subscription Programming	17	10	-7	-41.18%
<i>517000</i>	<i>Telecommunications</i>	<i>3,482</i>	<i>2,728</i>	<i>-754</i>	<i>-21.65%</i>
<i>518000</i>	<i>Data Processing, Hosting and Related Services</i>	<i>1,415</i>	<i>1,708</i>	<i>293</i>	<i>20.71%</i>
<i>519000</i>	<i>Other Information Services</i>	<i>341</i>	<i>366</i>	<i>25</i>	<i>7.33%</i>
<b>102300</b>	<b>FINANCIAL ACTIVITIES</b>	<b>60,974</b>	<b>66,932</b>	<b>5,958</b>	<b>9.77%</b>
<b>520000</b>	<b>Finance and Insurance</b>	<b>47,368</b>	<b>52,308</b>	<b>4,940</b>	<b>10.43%</b>
<i>522000</i>	<i>Credit Intermediation and Related Activities</i>	<i>19,262</i>	<i>19,884</i>	<i>622</i>	<i>3.23%</i>
<i>523000</i>	<i>Securities, Commodity Contracts, and Other Financial Investments and Related Activities</i>	<i>3,076</i>	<i>3,282</i>	<i>206</i>	<i>6.70%</i>
<i>524000</i>	<i>Insurance Carriers and Related Activities</i>	<i>24,958</i>	<i>29,061</i>	<i>4,103</i>	<i>16.44%</i>
524100	Insurance Carriers	16,806	20,438	3,632	21.61%
524200	Agencies, Brokerages, and Other Insurance Related Activities	8,152	8,623	471	5.78%
	OTHER	72	81	9	12.50%

## 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
<b>530000</b>	<b>Real Estate and Rental and Leasing</b>	<b>13,606</b>	<b>14,624</b>	<b>1,018</b>	<b>7.48%</b>
531000	Real Estate	9,490	10,476	986	10.39%
532000	Rental and Leasing Services	4,075	4,112	37	0.91%
533000	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	41	36	-5	-12.20%
<b>102400</b>	<b>PROFESSIONAL AND BUSINESS SERVICES</b>	<b>146,599</b>	<b>165,514</b>	<b>18,915</b>	<b>12.90%</b>
<b>540000</b>	<b>Professional, Scientific, and Technical Services</b>	<b>43,845</b>	<b>48,959</b>	<b>5,114</b>	<b>11.66%</b>
541100	Legal Services	5,996	6,058	62	1.03%
541200	Accounting, Tax Preparation, Bookkeeping, and Payroll Services	6,048	6,506	458	7.57%
541300	Architectural, Engineering, and Related Services	6,330	6,699	369	5.83%
541400	Specialized Design Services	326	354	28	8.59%
541500	Computer Systems Design and Related Services	9,594	11,493	1,899	19.79%
541600	Management, Scientific, and Technical Consulting Services	6,653	8,110	1,457	21.90%
541700	Scientific Research and Development Services	762	807	45	5.91%
541800	Advertising, Public Relations, and Related Services	3,955	4,325	370	9.36%
541900	Other Professional, Scientific, and Technical Services	4,181	4,607	426	10.19%
<b>550000</b>	<b>Management of Companies and Enterprises</b>	<b>34,782</b>	<b>40,395</b>	<b>5,613</b>	<b>16.14%</b>
<b>560000</b>	<b>Administrative and Support and Waste Management and Remediation Services</b>	<b>67,972</b>	<b>76,160</b>	<b>8,188</b>	<b>12.05%</b>
561000	Administrative and Support Services	64,529	72,024	7,495	11.61%
561100	Office Administrative Services	3,972	4,640	668	16.82%
561200	Facilities Support Services	1,420	1,680	260	18.31%
561300	Employment Services	29,158	32,507	3,349	11.49%
561400	Business Support Services	8,225	9,348	1,123	13.65%
561500	Travel Arrangement and Reservation Services	368	279	-89	-24.18%
561600	Investigation and Security Services	4,982	5,477	495	9.94%



# 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
561700	Services to Buildings and Dwellings	15,148	16,893	1,745	11.52%
561900	Other Support Services	1,256	1,200	-56	-4.46%
562000	<i>Waste Management and Remediation Service</i>	3,443	4,136	693	20.13%
562100	Waste Collection	1,279	1,588	309	24.16%
562200	Waste Treatment and Disposal	1,017	1,118	101	9.93%
562900	Remediation and Other Waste Management Services	1,147	1,430	283	24.67%
<b>102500</b>	<b>Education and Health Services</b>	<b>299,081</b>	<b>335,553</b>	<b>36,472</b>	<b>12.19%</b>
<b>610000</b>	<b>Educational Services</b>	<b>108,629</b>	<b>113,795</b>	<b>5,166</b>	<b>4.76%</b>
611100	Elementary and Secondary Schools	71,932	75,173	3,241	4.51%
611200	Junior Colleges	6,778	7,163	385	5.68%
611300	Colleges, Universities, and Professional Schools	26,321	27,628	1,307	4.97%
611400	Business Schools and Computer and Management Training	130	133	3	2.31%
611500	Technical and Trade Schools	1,074	1,125	51	4.75%
611600	Other Schools and Instruction	1,825	1,942	117	6.41%
611700	Educational Support Services	569	631	62	10.90%
<b>620000</b>	<b>Health Care and Social Assistance</b>	<b>190,452</b>	<b>221,758</b>	<b>31,306</b>	<b>16.44%</b>
621000	<i>Ambulatory Health Care Services</i>	58,218	71,533	13,315	22.87%
621100	Offices of Physicians	25,312	30,038	4,726	18.67%
621200	Offices of Dentists	7,371	8,404	1,033	14.01%
621300	Offices of Other Health Practitioners	9,283	11,967	2,684	28.91%
621400	Outpatient Care Centers	5,247	6,668	1,421	27.08%
621500	Medical and Diagnostic Laboratories	1,356	1,799	443	32.67%
621600	Home Health Care Services	6,948	9,391	2,443	35.16%
621900	Other Ambulatory Health Care Services	2,701	3,266	565	20.92%
622000	<i>Hospitals</i>	59,678	63,916	4,238	7.10%
622100	General Medical and Surgical Hospitals	52,392	55,953	3,561	6.80%

## 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
622200	Psychiatric and Substance Abuse Hospitals	3,557	3,817	260	7.31%
622300	Specialty (except Psychiatric and Substance Abuse) Hospitals	3,729	4,146	417	11.18%
623000	<i>Nursing and Residential Care Facilities</i>	32,404	36,871	4,467	13.79%
623100	Nursing Care Facilities (Skilled Nursing Facilities)	22,865	25,061	2,196	9.60%
623200	Residential Intellectual & Developmental Disability, Mental Health, & Substance Abuse Facilities	4,413	5,304	891	20.19%
623300	Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly	4,319	5,713	1,394	32.28%
623900	Other Residential Care Facilities	807	793	-14	-1.73%
624000	<i>Social Assistance</i>	40,152	49,438	9,286	23.13%
624100	Individual and Family Services	25,261	32,369	7,108	28.14%
624200	Community Food and Housing, and Emergency and Other Relief Services	1,384	1,602	218	15.75%
624300	Vocational Rehabilitation Services	3,271	3,556	285	8.71%
624400	Child Day Care Services	10,236	11,911	1,675	16.36%
<b>102600</b>	<b>LEISURE AND HOSPITALITY</b>	<b>118,424</b>	<b>134,339</b>	<b>15,915</b>	<b>13.44%</b>
<b>710000</b>	<b>Arts, Entertainment, and Recreation</b>	<b>11,426</b>	<b>12,626</b>	<b>1,200</b>	<b>10.50%</b>
711000	<i>Performing Arts, Spectator Sports, and Related Industries</i>	2,908	3,061	153	5.26%
711100	Performing Arts Companies	452	422	-30	-6.64%
711200	Spectator Sports	1,456	1,498	42	2.88%
711300	Promoters of Performing Arts, Sports, and Similar Events	902	1,057	155	17.18%
711400	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	31	27	-4	-12.90%
711500	Independent Artists, Writers, and Performers	67	57	-10	-14.93%
712000	<i>Museums, Historical Sites, and Similar Institution</i>	722	814	92	12.74%
713000	<i>Amusement, Gambling, and Recreation Industries</i>	7,796	8,751	955	12.25%
713900	Other Amusement and Recreation Industries	7,294	7,729	435	5.96%
	Other	502	1022	520	103.59%

# 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
<b>720000</b>	<b>Accommodation and Food Services</b>	<b>106,998</b>	<b>121,713</b>	<b>14,715</b>	<b>13.75%</b>
721000	<i>Accommodation, including Hotels and Motels</i>	11,318	11,756	438	3.87%
721100	Traveler Accommodation	10,740	11,147	407	3.79%
721200	RV (Recreational Vehicle) Parks and Recreational Camps	477	499	22	4.61%
721300	Rooming and Boarding Houses	101	110	9	8.91%
722000	<i>Food Services and Drinking Places</i>	95,680	109,957	14,277	14.92%
722300	Special Food Services	4,627	5,442	815	17.61%
722400	Drinking Places (Alcoholic Beverages)	1,042	1,117	75	7.20%
722500	Restaurants and Other Eating Places	90,011	103,398	13,387	14.87%
<b>102700</b>	<b>OTHER SERVICES (EXCEPT GOVERNMENT)</b>	<b>60,130</b>	<b>67,209</b>	<b>7,079</b>	<b>11.77%</b>
<b>810000</b>	<b>Other Services (except Government)</b>	<b>60,130</b>	<b>67,209</b>	<b>7,079</b>	<b>11.77%</b>
811000	<i>Repair and Maintenance</i>	10,847	11,885	1,038	9.57%
811100	Automotive Repair and Maintenance	6,686	7,308	622	9.30%
811200	Electronic and Precision Equipment Repair and Maintenance	962	1,056	94	9.77%
811300	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	2,580	2,990	410	15.89%
811400	Personal and Household Goods Repair and Maintenance	619	531	-88	-14.22%
812000	<i>Personal and Laundry Services</i>	7,744	7,658	-86	-1.11%
812100	Personal Care Services	2,852	2,853	1	0.04%
812200	Death Care Services	1,578	1,562	-16	-1.01%
812300	Drycleaning and Laundry Services	2,278	2,166	-112	-4.92%
812900	Other Personal Services	1,036	1,077	41	3.96%
813000	<i>Religious, Grantmaking, Civic, Professional, and Similar Organizations</i>	36,983	43,006	6,023	16.29%
813100	Religious Organizations	25,120	28,148	3,028	12.05%
813200	Grantmaking and Giving Services	3,097	4,759	1,662	53.66%
813300	Social Advocacy Organizations	4,702	5,926	1,224	26.03%
813400	Civic and Social Organizations	1,245	1,228	-17	-1.37%

## 2018-2028 Long-Term Statewide Industry Projections

NAICS Code	NAICS Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change
813900	Business, Professional, Labor, Political, and Similar Organizations	2,819	2,945	126	4.47%
814000	<i>Private Households</i>	4,556	4,660	104	2.28%
<b>102800</b>	<b>GOVERNMENT</b>	<b>96,379</b>	<b>102,934</b>	<b>6,555</b>	<b>6.80%</b>
910000	<i>Total Federal Government Employment</i>	20,359	20,085	-274	-1.35%
491100	Postal Service	5,560	5,246	-314	-5.65%
999100	Federal Government, Excluding Post Office	14,799	14,839	40	0.27%
999200	State Government, Excluding Education and Hospitals	34,280	36,787	2,507	7.31%
999300	Local Government, Excluding Education and Hospitals	41,740	46,062	4,322	10.35%

## Explanation of Long-Term Occupational Projections Data Arkansas-Statewide 2018-2028

Standard Occupational Classification (SOC)		Employment		Change		Annual Openings				Education/ Training Codes
Code	Title	2018 Estimated	2028 Projected	Numeric	Percent	Exits	Transfers	Change	Total	
The occupational code based on the Standard Occupational Classification (SOC) Coding and Title Structure	The occupational title based on the Standard Occupational Classification (SOC) Coding and Title Structure	An estimate of the number of jobs in an occupation in 2018	The projected number of jobs expected to be in an occupation in 2028	Total number of jobs an occupation is expected to gain or lose over the 2018 to 2028 period	Percent change in the number of jobs in an occupation over the 2018 to 2028 period	Average number of annual job openings expected to be created during the projection period due to those leaving the workforce for four months or more	Average number of annual job openings expected to be created during the projection period due to those transferring to an occupation in a different SOC Major Group	Average number of annual job openings expected to be created during the projection period due to the gain or decline in an occupation	Average number of annual job openings expected to be created during the projection period due to employment growth and separations	Level of training needed by most workers to become fully qualified in the occupation according to the Bureau of Labor Statistics. See page 81 for definitions.

## 2018-2028 Arkansas Statewide Occupational Projections by Major Group

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total
00-0000	<b>Total, All Occupations</b>	<b>1,408,747</b>	<b>1,527,428</b>	<b>118,681</b>	<b>8.42%</b>	<b>64,780</b>	<b>102,234</b>	<b>11,868</b>	<b>178,882</b>
11-0000	<b>Management Occupations</b>	<b>129,733</b>	<b>138,626</b>	<b>8,893</b>	<b>6.85%</b>	<b>5,252</b>	<b>6,674</b>	<b>889</b>	<b>12,815</b>
13-0000	<b>Business and Financial Operations Occupations</b>	<b>56,847</b>	<b>64,472</b>	<b>7,625</b>	<b>13.41%</b>	<b>1,684</b>	<b>4,073</b>	<b>762</b>	<b>6,519</b>
15-0000	<b>Computer and Mathematical Occupations</b>	<b>24,488</b>	<b>28,339</b>	<b>3,851</b>	<b>15.73%</b>	<b>443</b>	<b>1,499</b>	<b>385</b>	<b>2,327</b>
17-0000	<b>Architecture and Engineering Occupations</b>	<b>13,206</b>	<b>14,304</b>	<b>1,098</b>	<b>8.31%</b>	<b>330</b>	<b>759</b>	<b>110</b>	<b>1,199</b>
19-0000	<b>Life, Physical, and Social Science Occupations</b>	<b>7,051</b>	<b>7,725</b>	<b>674</b>	<b>9.56%</b>	<b>154</b>	<b>598</b>	<b>67</b>	<b>819</b>
21-0000	<b>Community and Social Service Occupations</b>	<b>29,726</b>	<b>34,124</b>	<b>4,398</b>	<b>14.80%</b>	<b>1,239</b>	<b>2,198</b>	<b>440</b>	<b>3,877</b>
23-0000	<b>Legal Occupations</b>	<b>7,765</b>	<b>8,620</b>	<b>855</b>	<b>11.01%</b>	<b>212</b>	<b>341</b>	<b>86</b>	<b>639</b>
25-0000	<b>Education, Training, and Library Occupations</b>	<b>76,064</b>	<b>81,929</b>	<b>5,865</b>	<b>7.71%</b>	<b>3,070</b>	<b>3,747</b>	<b>586</b>	<b>7,403</b>
27-0000	<b>Arts, Design, Entertainment, Sports, and Media Occupations</b>	<b>15,884</b>	<b>16,838</b>	<b>954</b>	<b>6.01%</b>	<b>665</b>	<b>1,150</b>	<b>95</b>	<b>1,910</b>
29-0000	<b>Healthcare Practitioners and Technical Occupations</b>	<b>84,337</b>	<b>95,530</b>	<b>11,193</b>	<b>13.27%</b>	<b>2,387</b>	<b>2,830</b>	<b>1,119</b>	<b>6,336</b>
31-0000	<b>Healthcare Support Occupations</b>	<b>37,232</b>	<b>43,612</b>	<b>6,380</b>	<b>17.14%</b>	<b>2,050</b>	<b>2,556</b>	<b>638</b>	<b>5,244</b>
33-0000	<b>Protective Service Occupations</b>	<b>28,701</b>	<b>30,969</b>	<b>2,268</b>	<b>7.90%</b>	<b>1,146</b>	<b>1,698</b>	<b>227</b>	<b>3,071</b>
35-0000	<b>Food Preparation and Serving Related Occupations</b>	<b>110,039</b>	<b>125,858</b>	<b>15,819</b>	<b>14.38%</b>	<b>8,053</b>	<b>12,004</b>	<b>1,582</b>	<b>21,639</b>
37-0000	<b>Building and Grounds Cleaning and Maintenance Occupations</b>	<b>47,014</b>	<b>51,452</b>	<b>4,438</b>	<b>9.44%</b>	<b>2,767</b>	<b>3,621</b>	<b>444</b>	<b>6,832</b>
39-0000	<b>Personal Care and Service Occupations</b>	<b>48,999</b>	<b>58,641</b>	<b>9,642</b>	<b>19.68%</b>	<b>3,832</b>	<b>4,078</b>	<b>964</b>	<b>8,874</b>
41-0000	<b>Sales and Related Occupations</b>	<b>146,592</b>	<b>154,196</b>	<b>7,604</b>	<b>5.19%</b>	<b>8,023</b>	<b>12,460</b>	<b>760</b>	<b>21,243</b>
43-0000	<b>Office and Administrative Support Occupations</b>	<b>180,742</b>	<b>184,668</b>	<b>3,926</b>	<b>2.17%</b>	<b>8,912</b>	<b>12,542</b>	<b>393</b>	<b>21,847</b>
45-0000	<b>Farming, Fishing, and Forestry Occupations</b>	<b>17,544</b>	<b>17,828</b>	<b>284</b>	<b>1.62%</b>	<b>699</b>	<b>2,132</b>	<b>28</b>	<b>2,859</b>
47-0000	<b>Construction and Extraction Occupations</b>	<b>52,141</b>	<b>57,820</b>	<b>5,679</b>	<b>10.89%</b>	<b>1,791</b>	<b>4,351</b>	<b>568</b>	<b>6,710</b>
49-0000	<b>Installation, Maintenance, and Repair Occupations</b>	<b>60,700</b>	<b>65,810</b>	<b>5,110</b>	<b>8.42%</b>	<b>1,969</b>	<b>4,184</b>	<b>511</b>	<b>6,664</b>
51-0000	<b>Production Occupations</b>	<b>121,842</b>	<b>125,536</b>	<b>3,694</b>	<b>3.03%</b>	<b>4,897</b>	<b>9,671</b>	<b>369</b>	<b>14,937</b>
53-0000	<b>Transportation and Material Moving Occupations</b>	<b>112,100</b>	<b>120,531</b>	<b>8,431</b>	<b>7.52%</b>	<b>5,206</b>	<b>9,069</b>	<b>843</b>	<b>15,118</b>

## Occupational Outlook

Arkansas occupations are projected to gain 118,681 jobs, or 8.42 percent, by 2028. A total of 178,882 total annual openings are expected each year of the projection period. Of these, 64,780 would be due to employees leaving the workforce, while 102,234 would be due to those changing jobs. Growth and expansion accounts for 11,868 annual job openings. All major groups should see positive net growth over the 10-year projection period.

The **Management Occupations** major group is expected to gain 8,893 jobs during the projection period, with 12,815 total annual job openings. Of these, 5,252 are expected to come from employees leaving the workforce, 6,674 from those changing jobs, and 889 from growth and expansion. The *Other Management Occupations* occupational family is estimated to account for 3,827 new jobs. General and Operations Managers is forecast to be the top growing occupation in the major group and eighth overall, adding 2,223 new jobs. Financial Managers is slated to increase employment by 21.81 percent. Farmers, Ranchers, and Other Agricultural Managers is expected to lose 41 jobs during the projection period.

The **Business and Financial Operations Occupations** major group is projected to gain 7,625 jobs by 2028. The group should see 6,519 annual job openings, with 1,684 due to those exiting the workforce, 4,073 from those changing jobs, and 762 due to growth and expansion. The *Business Operations Specialists* occupational family is expected to dominate growth in the major group, increasing employment by 5,426 jobs, more than 71 percent of the overall growth. Management Analysts leads all occupations in the major group, with 1,463 new jobs, or 21.33 percent growth, placing on the Top 20 Growing Industries list. Fundraisers is slated to raise employment by 41.19 percent, becoming the fastest growing occupation in the state for the 2018 to 2028 period. On the negative side of the labor market, Buyers and Purchasing Agents is forecasted to lose 45 jobs, or 1.30 percent of its workforce. Market Research Analysts and Marketing Specialists is expected add 1,320 new jobs, while Accountants and Auditors is estimated to add 1,109 and have 982 annual job openings, the most in the **Business and Financial Occupations** major group.

The **Computer and Mathematical Occupations** major group is expected to add 3,851 jobs during the projection period, or 15.73 percent. Total Annual Openings could see 2,327 jobs with 443 annual openings due to workforce exits and 1,499 due to changing jobs. Another 385 openings are estimated for growth and expansion. The *Computer Occupations* minor group should see most of this growth, with 3,496 jobs expected over the 10-year period. Software Developers, Applications is anticipating the highest gain with 1,158 new jobs on the horizon, while Information Security Analysts is anticipating a growth of 37.32 percent, placing fourth statewide in percent change. *Mathematical Science Occupations* is slated to experience a net gain of 355 jobs, with Operations Research Analysts and Statisticians each among

the ten fastest growing occupations in the state, with gains of 30.33 and 34.84 percent, respectively. Computer Programmers is forecasted to lose 3.72 percent of its workforce, or 75 jobs, between 2018 and 2028.

The **Architecture and Engineering Occupations** major group could add 1,098 jobs by 2028. The group is expected to have 1,199 total annual openings, with 330 annual openings due to employees leaving the workforce, 759 from employees changing jobs, and 110 from growth and expansion. The *Engineers* minor group leads the group in numeric change, expecting to add 712 jobs during the projection period, nearly 65 percent of the major group's overall growth. In this minor group, Industrial Engineers could add 255 jobs, or a 13.86 percent growth by 2028, becoming the top growing occupation in the major group. Cartographers and Photogrammetrists is set to be the fastest growing, with an anticipated gain of 21.98 percent. On the negative side, Petroleum Engineers is slated to cut 5.10 percent of its workforce.

The **Life, Physical, and Social Science Occupations** major group is predicted to gain 674 new jobs through the 2018-2028 projection period, or 9.56 percent. Annual openings due to those leaving the workforce would amount to 154, while those changing jobs estimated to account for 598 openings. Growth and expansion could account for an additional 67 openings, bringing total annual openings to 819. The *Life, Physical, and Social Science Technicians* minor group is expected to gain 254 jobs. Clinical, Counseling, and School Psychologists is expected to lead the major group in numeric change, adding 162 new jobs to its workforce, while Forensic Science Technicians could be the fastest growing occupation, raising employment by 20.50 percent.

The **Community and Social Services Occupations** major group is estimated to gain 4,398 new jobs during the projection period. The group could see 3,877 total annual openings, with 1,239 due to workforce exits, and 2,198 due to employees changing jobs. Another 440 annual openings would be due to growth and expansion. Clergy is slated to add 1,786 jobs to its workforce. Community Health Workers is anticipated to be the fastest growing occupation among occupations, with at least 50 current employees in the major group, with a 21.08 percent gain. Marriage and Family Therapists is slated to increase by 29.79 percent, and be the fastest growing occupation in the major group, placing it among the Top 20 Fastest Growing Occupations list. Clergy, of the *Religious Workers* minor group, is forecast to experience the most openings with 1,589 annually during the 2018-2028 period.

The **Legal Occupations** major group is projected to add 855 jobs by 2028. Of the 639 annual openings, 212 should be due to employees exiting the workforce, while 341 would be for employees changing jobs. Growth and expansion could lead to 86 annual job openings. The *Lawyers, Judges, and Related Workers* minor group

leads the group with 492 new jobs anticipated, with Lawyers accounting for 420 of those new jobs. The *Legal Support Workers* minor group also expects strong growth, with 363 jobs projected to be added. Paralegals and Legal Assistants leads this minor group with 303 jobs expected.

The **Education, Training, and Library Occupations** major group is expected to gain 5,865 jobs during the projection period. The group could see 7,403 total annual openings with annual openings due to occupational exits and occupational transfers accounting for 3,070 and 3,747 jobs, respectively. Growth and expansion are expected to account for 586 annual job openings. *Postsecondary Teachers* is expected to add 1,466 jobs, while the *Preschool, Primary, Secondary, and Special Education School Teachers* minor group is predicted to increase by 2,675 jobs. Teacher Assistants is anticipated to lead all jobs in the major group adding 980 new jobs between 2018 and 2028, while Health Specialties Teachers, Postsecondary is slated to be the fastest growing occupation, increasing its workforce by 23.62 percent. On the negative side of the job market, Adult Basic and Secondary Education and Literacy Teachers and Instructors could see a loss of 22 jobs, or 5.50 percent of its workforce.

The **Arts, Design, Entertainment, Sports, and Media Occupations** major group is projected to add 954 jobs by 2028. Of the 1,910 total annual openings, 665 of them could come from employees leaving the workforce, 1,150 from those changing jobs, and 95 from growth and expansion. The *Entertainers and Performers, Sports and Related Workers* minor group leads the group with 379 job openings projected. Public Relations Specialists is predicted to be the top and fastest growing occupation in the major group, adding 247 jobs, or a 16.85 percent gain. In all, four occupations are estimated to increase by more than 130 new jobs. On the downside of the economy, Floral Designers is slated to lose 57 jobs between 2018 and 2028, or 12.95 percent of its workforce, the fastest occupation in the major group, and included in the Top 20 Fastest Declining Occupations list.

The **Healthcare Practitioners and Technical Occupations** major group is estimated to add 11,193 jobs by the end of the projection period, the second highest gain in the state. This group could see 6,336 annual job openings, with 2,387 due to employees leaving the workforce, 2,830 due to employees changing jobs, and 1,119 due to growth and expansion. The *Health Diagnosing and Treating Practitioners* occupational family anticipates 7,433 jobs. Driving growth is Registered Nurses, which is predicted to see continued growth with 3,550 jobs expected, placing third on the Top 20 Growing Industries list. Licensed Practical and Licensed Vocational Nurses is also predicted to have strong growth, adding 1,333 jobs. Speech-Language Pathologists is forecasted to be the fastest growing occupation in the major group, and third fastest statewide, increasing its workforce by 37.54 percent between 2018 and 2028. One downside in this major group is Respiratory Therapy Technicians, expected to lose 184 jobs, or more than half of its workforce during the 10-year projection period.

**Healthcare Support Occupations** is projected to add 6,380 jobs by 2028 and be the second fastest growing major group, growing by 17.14 percent. The group could see 5,244 total annual openings, with 2,050 of the jobs due to employees leaving the workforce, 2,556 from employees changing jobs, and 638 from growth and expansion. Nursing Assistants is projected to be the top growing occupation in **Healthcare Support**, adding 2,417 jobs, an increase of 12.85 percent, placing among the ten highest growing occupations in the state. Home Health Aides could also experience strong growth, increasing its workforce by 1,408 jobs, or 27.32 percent, placing the occupation on the Top 20 Fastest Growing Occupations list. Occupational Therapy Assistants leads the major group in percent change with a 38.98 percent growth, the second fastest growing occupation in the state. In all, five occupations in the **Healthcare Support Occupations** major group are included in the Top 20 Fastest Growing Occupations list. One downside is Medical Transcriptionists, estimated to lose 48 jobs, or 10.41 percent of its workforce.

The **Protective Service Occupations** major group is expected to add 2,268 jobs over the projection period, with 3,071 total annual openings. Of these, 1,146 would be from employees leaving the workforce, and 1,698 coming from those changing jobs. Another 227 are estimated to be from growth and expansion. The *Law Enforcement Workers* minor group leads the group with 832 new jobs anticipated. Within this group, Police and Sheriff's Patrol Officers is estimated to be the top growing occupation, adding 786 new jobs, while Correctional Officers and Jailers could have the opposite effect, losing 18 jobs between 2018 and 2028. Forest Fire Inspectors and Prevention Specialists could be the fastest growing occupation in the major group, increasing employment, by 30.28 percent.

**Food Preparation and Serving Related Occupations** is estimated to add 15,819 jobs during the projection period, making it the top growing major group. Of the 21,639 annual job openings, 8,053 should be due to employees leaving the workforce, while 12,004 could come from employees changing jobs. Another 1,582 are related to growth and expansion. The *Food and Beverage Serving Workers* minor group leads the group with 9,569 jobs expected, with Combined Food Preparation and Serving Workers, Including Fast Food adding 7,508 to become the top growing occupation in the state. In all, four occupations make the Top 20 Growing Occupations list. Combined Food Preparation and Serving Workers, Including Fast Food also leads the state in the number of job separations, with the most annual exits and the most job transfers. Cooks, Restaurant is slated to be the fastest growing occupation in the major group, increasing employment by 24.76 percent. Cooks, Fast Food on the other hand, could lose 195 jobs between 2018 and 2028, a 4.71 percent decline, making the top 10 of the Top 20 Declining Occupations list.

The **Building and Grounds Cleaning and Maintenance Occupations** major group is projected to add 4,438 jobs by 2028. The group should have 6,832 total annual openings with 2,767 jobs due to employees exiting the workforce, 3,621 due



to employees changing jobs, and 444 due to growth and expansion. The *Building Cleaning and Pest Control Workers* minor group is expected to add 2,769 jobs, with Janitors and Cleaners, Except Maids and Housekeeping Cleaners estimated to add 1,872 of those jobs, placing it on the Top 20 Growing Occupations list. Tree Trimmers and Pruners is forecasted to raise employment levels by 12.84 percent, becoming the fastest growing occupation in the major group.

The **Personal Care and Service Occupations** major group is expected to gain 9,642 jobs over the projection period. Of the 8,874 total annual openings, 3,832 should be due to employees leaving the workforce, while 4,078 would be due to those changing jobs. Another 964 jobs could come from growth and expansion. At 19.68 percent, **Personal Care and Service Occupations** would be the fastest among major occupational groups. The *Other Personal Care and Service Workers* minor group leads the major group, with 8,162 new jobs expected, 84.65 percent of the total growth in **Personal Care and Service Occupations**. Personal Care Aides is predicted to add 6,335 jobs to its workforce and 3,684 total job openings expected annually. It is predicted to be second in the state in numeric change and among the ten fastest growing at a rate of 33.86 percent. Childcare Workers is also anticipating strong growth, with 1,267 new jobs.

The **Sales and Related Occupations** major group is projected to gain 7,604 jobs by the end of 2028. The group is estimated to make available 21,243 jobs annually, with 8,023 from employees leaving the workforce, 12,460 related to job change, and 760 due to growth and expansion. The *Sales Representatives, Services* is slated to grow by 3,441 jobs. Driving this growth is Insurance Sales Agents, with an anticipated increase of 2,927 jobs, the fourth highest in the state. Retail Salespersons could also experience strong growth, with 1,998 new jobs between 2018 and 2028. A few downsides in the **Sales and Related Occupations** major group are Telemarketers, which could lose 255 jobs during the projection period, becoming one of the ten highest declining occupations in the state. Travel Agents could also see a downturn, losing 17.55 percent of its workforce, the tenth fastest in the state.

The **Office and Administrative Support Occupations** major group is expected to gain 3,926 jobs over the projection period, but heavily mixed with some occupational families experiencing gains, while others are expecting job losses. Annual openings for this group are estimated to be 21,847, the highest among occupational major groups. Of these, 8,912 are estimated to come from occupational exits, while 12,542 could come from occupational transfers. Another 393 are forecast to come from growth and expansion. The *Information and Record Clerks* minor group should see the most growth, with 2,402 jobs added, while *Material Recording, Scheduling, Dispatching, and Distributing Workers* could increase by 1,615. Receptionists and Information Clerks leads the major group in numeric change, with an anticipated growth of 1,078, while Medical Secretaries could increase employment by 16.93 percent. On the negative side of the job market, Secretaries and Administrative Assistants, Except Legal, Medical, and Executive, is

slated to lose 912 jobs between 2018 and 2028, placing third on the Top 20 Declining Occupations list. Word Processors and Typists is forecasted to lose more than a quarter of its workforce, placing third in percent decline. In all, seven occupations in **Office and Administrative Support Occupations** made the Top 20 Declining Occupations list, while seven made the Top 20 Fastest Declining Occupations list.

The **Farming, Fishing, and Forestry Occupations** major group is estimated to add 284 jobs between 2018 and 2028. The major group is predicting 2,859 total annual openings, with 699 due to employees leaving the workforce and 2,132 due to employees changing jobs. Growth and expansion are estimated to account for an additional 28 annual openings. The *Agricultural Workers* minor group drives growth in the major group with a gain of 595 jobs. Farmworkers and Laborers, Crop, Nursery, and Greenhouse is predicted to add the most jobs, with 241 new jobs, while Agricultural Equipment Operators could be the fastest growing occupation, increasing by 12.50 percent. On the reverse side of the labor market, Logging Equipment Operators is forecast to lose 186 jobs, making it the top declining occupation and included in the Top 20 Declining Occupations list. Fallers could lose 28 jobs, or 21.54 percent of its workforce, placing it among the five fastest declining occupations in the state.

The **Construction and Extraction Occupations** major group is projected to gain 5,679 jobs over the projection period, with 6,710 total annual openings expected. The group is expected to have 1,791 annual openings due to employees leaving the workforce, 4,351 due to employees changing jobs, and 568 due to growth and expansion. The *Construction Trades Workers* minor group is expected to see a large gain, with 4,188 jobs expected, 73.75 percent of the major group's overall growth. Construction Laborers could add the most jobs, with 801 anticipated, while Septic Tank Servicers and Sewer Pipe Cleaners is slated to be the fastest growing occupation, raising employment levels by 23.24 percent.

The **Installation, Maintenance, and Repair Occupations** major group is expected to gain 5,110 jobs by 2028. The major group is estimated to have 6,664 total annual openings, with 1,969 due to employees leaving the workforce, 4,184 due to employees changing jobs, and 511 due to growth and expansion. The *Other Installation, Maintenance, and Repair Occupations* minor group could lead the group with 3,384 jobs projected, with Maintenance and Repair Workers, General driving this growth with a gain of 1,132, the top growing occupation in the major group. At 20.90 percent, Riggers is slated to be the fastest growing occupation in the major group. On the negative side of the economy, Telecommunications Equipment Installers and Repairers, Except Line Installers could become the top and fastest declining occupation in the major group with a loss of 152, or 8.26 percent of its workforce, placing on the Top 20 Declining Occupations list.

The **Production Occupations** major group is projected to add 3,694 jobs between 2018 and 2028. The group is expected to experience 14,937 total annual openings

with 4,897 due to occupational exits and 9,671 due to occupational transfers. Another 369 could come from growth and expansion. The *Other Production Occupations* minor group leads the major group with 2,027 new jobs expected. Driving this growth is Helpers—Production Workers, which is estimated to add 2,202 jobs, a rise of 20.10 percent, placing the occupation among the ten highest growing occupations in the state. Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers is forecasted to be the fastest growing occupation in the major group, adding 36.04 percent to its workforce, fifth fastest in the state. On the flip side of the economy, the *Assemblers and Fabricators* minor group is predicted to lose 1,342 jobs. Driving the decline is Assemblers and Fabricators, All Other, Including Team Assemblers, expected to lose 1,181 jobs between 2018 and 2028. The occupation is projected to be the top declining in the state. Coil Winders, Tapers, and Finishers is slated to be the fastest declining occupation in the major group, and second fastest declining statewide, losing more than a quarter of its workforce. Six occupations in the **Production Occupations**

major group made the Top 20 Declining Occupations list, and six made the Top 20 Fastest Declining Occupations list.

The **Transportation and Material Moving Occupations** major group is estimated to gain 8,431 jobs during the projection period. With 15,118 total annual openings expected, 5,206 could come from employees leaving the workforce, while 9,069 would come from those changing jobs. Growth and expansion are estimated to account for 843 annual job openings. The *Motor Vehicle Operators* occupational family is estimated to grow by 4,635 jobs, while the *Material Moving Workers* family is estimated to add 3,235 jobs. Heavy and Tractor-Trailer Truck Drivers leads the group with 2,507 new jobs, sixth in the state, while Laborers and Freight, Stock, and Material Movers, Hand is estimated to add an additional 1,797. Taxi Drivers and Chauffeurs is estimated to add 29.60 percent to its workforce, while Rail Yard Engineers, Dinkey Operators, and Hostlers could add 29.59 percent to its own workforce. Sailors and Marine Oilers is predicted to cut eight jobs, or 8.42 percent of its workforce.

## Top 20 Growing Occupations by Numeric Change

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,419	45,927	<b>7,508</b>	19.54%	3,362	4,147	751	8,260
39-9021	Personal Care Aides	18,712	25,047	<b>6,335</b>	33.86%	1,617	1,433	634	3,684
29-1141	Registered Nurses	26,274	29,824	<b>3,550</b>	13.51%	778	720	355	1,853
41-3021	Insurance Sales Agents	15,695	18,622	<b>2,927</b>	18.65%	632	1,036	293	1,961
35-2014	Cooks, Restaurant	10,992	13,714	<b>2,722</b>	24.76%	656	1,092	272	2,020
53-3032	Heavy and Tractor-Trailer Truck Drivers	37,773	40,280	<b>2,507</b>	6.64%	1,607	2,831	251	4,689
31-1014	Nursing Assistants	18,811	21,228	<b>2,417</b>	12.85%	1,076	1,167	242	2,485
11-1021	General and Operations Managers	20,949	23,172	<b>2,223</b>	10.61%	463	1,453	222	2,138
51-9198	Helpers--Production Workers	10,955	13,157	<b>2,202</b>	20.10%	641	1,136	220	1,997
41-2031	Retail Salespersons	39,654	41,652	<b>1,998</b>	5.04%	2,336	3,602	200	6,138
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,854	20,726	<b>1,872</b>	9.93%	1,210	1,396	187	2,793
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,936	23,733	<b>1,797</b>	8.19%	1,031	2,140	180	3,351
21-2011	Clergy	12,129	13,915	<b>1,786</b>	14.73%	570	840	179	1,589
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	12,326	13,954	<b>1,628</b>	13.21%	572	1,433	163	2,168
35-3031	Waiters and Waitresses	18,758	20,342	<b>1,584</b>	8.44%	1,357	2,396	158	3,911
13-1111	Management Analysts	6,860	8,323	<b>1,463</b>	21.33%	236	480	146	862
31-1011	Home Health Aides	5,154	6,562	<b>1,408</b>	27.32%	315	342	141	798
29-2061	Licensed Practical and Licensed Vocational Nurses	12,405	13,738	<b>1,333</b>	10.75%	444	552	133	1,129
13-1161	Market Research Analysts and Marketing Specialists	4,963	6,283	<b>1,320</b>	26.60%	132	442	132	706
39-9011	Childcare Workers	11,462	12,729	<b>1,267</b>	11.05%	894	910	127	1,931

## Top 20 Fastest Growing Occupations by Percent Change (50 minimum employment)

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total
13-1131	Fundraisers	704	994	290	<b>41.19%</b>	28	60	29	117
31-2011	Occupational Therapy Assistants	313	435	122	<b>38.98%</b>	16	24	12	52
29-1127	Speech-Language Pathologists	2,110	2,902	792	<b>37.54%</b>	49	85	79	213
15-1122	Information Security Analysts	911	1,251	340	<b>37.32%</b>	16	61	34	111
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	111	151	40	<b>36.04%</b>	7	10	4	21
15-2041	Statisticians	419	565	146	<b>34.84%</b>	9	29	15	53
29-1071	Physician Assistants	535	720	185	<b>34.58%</b>	10	26	18	54
39-9021	Personal Care Aides	18,712	25,047	6,335	<b>33.86%</b>	1,617	1,433	634	3,684
29-1171	Nurse Practitioners	1,966	2,593	627	<b>31.89%</b>	45	77	63	185
15-2031	Operations Research Analysts	643	838	195	<b>30.33%</b>	17	31	20	68
33-2022	Forest Fire Inspectors and Prevention Specialists	218	284	66	<b>30.28%</b>	10	13	7	30
53-3041	Taxi Drivers and Chauffeurs	3,314	4,295	981	<b>29.60%</b>	204	208	98	510
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	98	127	29	<b>29.59%</b>	3	7	3	13
15-1132	Software Developers, Applications	4,017	5,175	1,158	<b>28.83%</b>	64	260	116	440
31-1011	Home Health Aides	5,154	6,562	1,408	<b>27.32%</b>	315	342	141	798
31-9097	Phlebotomists	954	1,212	258	<b>27.04%</b>	40	74	26	140
13-1161	Market Research Analysts and Marketing Specialists	4,963	6,283	1,320	<b>26.60%</b>	132	442	132	706
31-2021	Physical Therapist Assistants	1,123	1,416	293	<b>26.09%</b>	55	103	29	187
31-9092	Medical Assistants	3,807	4,785	978	<b>25.69%</b>	168	306	98	572
35-2014	Cooks, Restaurant	10,992	13,714	2,722	<b>24.76%</b>	656	1,092	272	2,020

## Top 20 Occupations by Annual Exits

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,419	45,927	7,508	19.54%	<b>3,362</b>	4,147	751	8,260
11-9013	Farmers, Ranchers, and Other Agricultural Managers	53,965	53,924	-41	-0.08%	<b>3,354</b>	2,005	-4	5,355
41-2011	Cashiers	31,677	31,472	-205	-0.65%	<b>2,818</b>	3,138	-20	5,936
41-2031	Retail Salespersons	39,654	41,652	1,998	5.04%	<b>2,336</b>	3,602	200	6,138
39-9021	Personal Care Aides	18,712	25,047	6,335	33.86%	<b>1,617</b>	1,433	634	3,684
53-3032	Heavy and Tractor-Trailer Truck Drivers	37,773	40,280	2,507	6.64%	<b>1,607</b>	2,831	251	4,689
43-9061	Office Clerks, General	28,522	28,521	-1	0.00%	<b>1,594</b>	1,819	0	3,413
35-3031	Waiters and Waitresses	18,758	20,342	1,584	8.44%	<b>1,357</b>	2,396	158	3,911
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,854	20,726	1,872	9.93%	<b>1,210</b>	1,396	187	2,793
31-1014	Nursing Assistants	18,811	21,228	2,417	12.85%	<b>1,076</b>	1,167	242	2,485
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,936	23,733	1,797	8.19%	<b>1,031</b>	2,140	180	3,351
43-5081	Stock Clerks and Order Fillers	18,917	19,904	987	5.22%	<b>982</b>	1,601	99	2,682
37-2012	Maids and Housekeeping Cleaners	12,309	13,065	756	6.14%	<b>898</b>	811	76	1,785
39-9011	Childcare Workers	11,462	12,729	1,267	11.05%	<b>894</b>	910	127	1,931
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	16,939	16,027	-912	-5.38%	<b>845</b>	1,000	-91	1,754
43-3031	Bookkeeping, Accounting, and Auditing Clerks	13,457	13,607	150	1.11%	<b>823</b>	753	15	1,591
43-4051	Customer Service Representatives	16,532	17,127	595	3.60%	<b>808</b>	1,435	60	2,303
29-1141	Registered Nurses	26,274	29,824	3,550	13.51%	<b>778</b>	720	355	1,853
35-2014	Cooks, Restaurant	10,992	13,714	2,722	24.76%	<b>656</b>	1,092	272	2,020
25-9041	Teacher Assistants	11,610	12,590	980	8.44%	<b>642</b>	633	98	1,373

## Top 20 Occupations by Annual Transfers

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,419	45,927	7,508	19.54%	3,362	<b>4,147</b>	751	8,260
41-2031	Retail Salespersons	39,654	41,652	1,998	5.04%	2,336	<b>3,602</b>	200	6,138
41-2011	Cashiers	31,677	31,472	-205	-0.65%	2,818	<b>3,138</b>	-20	5,936
53-3032	Heavy and Tractor-Trailer Truck Drivers	37,773	40,280	2,507	6.64%	1,607	<b>2,831</b>	251	4,689
35-3031	Waiters and Waitresses	18,758	20,342	1,584	8.44%	1,357	<b>2,396</b>	158	3,911
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,936	23,733	1,797	8.19%	1,031	<b>2,140</b>	180	3,351
11-9013	Farmers, Ranchers, and Other Agricultural Managers	53,965	53,924	-41	-0.08%	3,354	<b>2,005</b>	-4	5,355
43-9061	Office Clerks, General	28,522	28,521	-1	0.00%	1,594	<b>1,819</b>	0	3,413
43-5081	Stock Clerks and Order Fillers	18,917	19,904	987	5.22%	982	<b>1,601</b>	99	2,682
11-1021	General and Operations Managers	20,949	23,172	2,223	10.61%	463	<b>1,453</b>	222	2,138
43-4051	Customer Service Representatives	16,532	17,127	595	3.60%	808	<b>1,435</b>	60	2,303
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	12,326	13,954	1,628	13.21%	572	<b>1,433</b>	163	2,168
39-9021	Personal Care Aides	18,712	25,047	6,335	33.86%	1,617	<b>1,433</b>	634	3,684
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,854	20,726	1,872	9.93%	1,210	<b>1,396</b>	187	2,793
41-1011	First-Line Supervisors of Retail Sales Workers	16,948	17,394	446	2.63%	593	<b>1,294</b>	45	1,932
31-1014	Nursing Assistants	18,811	21,228	2,417	12.85%	1,076	<b>1,167</b>	242	2,485
51-9198	Helpers--Production Workers	10,955	13,157	2,202	20.10%	641	<b>1,136</b>	220	1,997
35-2014	Cooks, Restaurant	10,992	13,714	2,722	24.76%	656	<b>1,092</b>	272	2,020
43-1011	First-Line Supervisors of Office and Administrative Support Workers	15,264	15,765	501	3.28%	582	<b>1,044</b>	50	1,676
41-3021	Insurance Sales Agents	15,695	18,622	2,927	18.65%	632	<b>1,036</b>	293	1,961

## Top 20 Occupations by Total Annual Openings

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,419	45,927	7,508	19.54%	3,362	4,147	751	<b>8,260</b>
41-2031	Retail Salespersons	39,654	41,652	1,998	5.04%	2,336	3,602	200	<b>6,138</b>
41-2011	Cashiers	31,677	31,472	-205	-0.65%	2,818	3,138	-20	<b>5,936</b>
11-9013	Farmers, Ranchers, and Other Agricultural Managers	53,965	53,924	-41	-0.08%	3,354	2,005	-4	<b>5,355</b>
53-3032	Heavy and Tractor-Trailer Truck Drivers	37,773	40,280	2,507	6.64%	1,607	2,831	251	<b>4,689</b>
35-3031	Waiters and Waitresses	18,758	20,342	1,584	8.44%	1,357	2,396	158	<b>3,911</b>
39-9021	Personal Care Aides	18,712	25,047	6,335	33.86%	1,617	1,433	634	<b>3,684</b>
43-9061	Office Clerks, General	28,522	28,521	-1	0.00%	1,594	1,819	0	<b>3,413</b>
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,936	23,733	1,797	8.19%	1,031	2,140	180	<b>3,351</b>
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,854	20,726	1,872	9.93%	1,210	1,396	187	<b>2,793</b>
43-5081	Stock Clerks and Order Fillers	18,917	19,904	987	5.22%	982	1,601	99	<b>2,682</b>
31-1014	Nursing Assistants	18,811	21,228	2,417	12.85%	1,076	1,167	242	<b>2,485</b>
43-4051	Customer Service Representatives	16,532	17,127	595	3.60%	808	1,435	60	<b>2,303</b>
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	12,326	13,954	1,628	13.21%	572	1,433	163	<b>2,168</b>
11-1021	General and Operations Managers	20,949	23,172	2,223	10.61%	463	1,453	222	<b>2,138</b>
35-2014	Cooks, Restaurant	10,992	13,714	2,722	24.76%	656	1,092	272	<b>2,020</b>
51-9198	Helpers--Production Workers	10,955	13,157	2,202	20.10%	641	1,136	220	<b>1,997</b>
41-3021	Insurance Sales Agents	15,695	18,622	2,927	18.65%	632	1,036	293	<b>1,961</b>
41-1011	First-Line Supervisors of Retail Sales Workers	16,948	17,394	446	2.63%	593	1,294	45	<b>1,932</b>
39-9011	Childcare Workers	11,462	12,729	1,267	11.05%	894	910	127	<b>1,931</b>

## Top 20 Declining Occupations by Numeric Change

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total
51-2098	Assemblers and Fabricators, All Other, Including Team Assemblers	13,077	11,896	<b>-1,181</b>	-9.03%	511	943	-118	1,336
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	6,867	5,886	<b>-981</b>	-14.29%	253	533	-98	688
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	16,939	16,027	<b>-912</b>	-5.38%	845	1,000	-91	1,754
43-3071	Tellers	5,312	4,821	<b>-491</b>	-9.24%	248	362	-49	561
43-6011	Executive Secretaries and Executive Administrative Assistants	2,549	2,161	<b>-388</b>	-15.22%	121	143	-39	225
43-9021	Data Entry Keyers	1,308	1,052	<b>-256</b>	-19.57%	53	83	-26	110
41-9041	Telemarketers	2,380	2,125	<b>-255</b>	-10.71%	108	245	-26	327
41-2011	Cashiers	31,677	31,472	<b>-205</b>	-0.65%	2,818	3,138	-20	5,936
35-2011	Cooks, Fast Food	4,141	3,946	<b>-195</b>	-4.71%	215	357	-20	552
43-6012	Legal Secretaries	1,135	946	<b>-189</b>	-16.65%	53	63	-19	97
45-4022	Logging Equipment Operators	1,769	1,583	<b>-186</b>	-10.51%	66	202	-19	249
29-2054	Respiratory Therapy Technicians	322	138	<b>-184</b>	-57.14%	7	12	-18	1
43-5052	Postal Service Mail Carriers	3,246	3,088	<b>-158</b>	-4.87%	116	120	-16	220
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1,840	1,688	<b>-152</b>	-8.26%	49	145	-15	179
51-5112	Printing Press Operators	2,053	1,933	<b>-120</b>	-5.85%	76	139	-12	203
43-2011	Switchboard Operators, Including Answering Service	549	437	<b>-112</b>	-20.40%	28	33	-11	50
51-2021	Coil Winders, Tapers, and Finishers	369	275	<b>-94</b>	-25.47%	14	23	-9	28
51-2041	Structural Metal Fabricators and Fitters	1,037	949	<b>-88</b>	-8.49%	24	80	-9	95
51-9196	Paper Goods Machine Setters, Operators, and Tenders	2,146	2,064	<b>-82</b>	-3.82%	65	163	-8	220
15-1131	Computer Programmers	2,015	1,940	<b>-75</b>	-3.72%	32	107	-8	131



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

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total
29-2054	Respiratory Therapy Technicians	322	138	-184	<b>-57.14%</b>	7	12	-18	1
51-2021	Coil Winders, Tapers, and Finishers	369	275	-94	<b>-25.47%</b>	14	23	-9	28
43-9022	Word Processors and Typists	185	138	-47	<b>-25.41%</b>	10	10	-5	15
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	43	33	-10	<b>-23.26%</b>	1	3	-1	3
45-4021	Fallers	130	102	-28	<b>-21.54%</b>	5	14	-3	16
43-2011	Switchboard Operators, Including Answering Service	549	437	-112	<b>-20.40%</b>	28	33	-11	50
43-9011	Computer Operators	306	244	-62	<b>-20.26%</b>	13	20	-6	27
43-9021	Data Entry Keyers	1,308	1,052	-256	<b>-19.57%</b>	53	83	-26	110
51-6021	Pressers, Textile, Garment, and Related Materials	268	218	-50	<b>-18.66%</b>	13	15	-5	23
41-3041	Travel Agents	188	155	-33	<b>-17.55%</b>	10	13	-3	20
43-6012	Legal Secretaries	1,135	946	-189	<b>-16.65%</b>	53	63	-19	97
43-6011	Executive Secretaries and Executive Administrative Assistants	2,549	2,161	-388	<b>-15.22%</b>	121	143	-39	225
51-4071	Foundry Mold and Coremakers	90	77	-13	<b>-14.44%</b>	2	7	-1	8
51-5111	Prepress Technicians and Workers	182	156	-26	<b>-14.29%</b>	6	14	-3	17
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	6,867	5,886	-981	<b>-14.29%</b>	253	533	-98	688
27-1023	Floral Designers	440	383	-57	<b>-12.95%</b>	13	28	-6	35
27-3022	Reporters and Correspondents	314	276	-38	<b>-12.10%</b>	10	26	-4	32
43-4071	File Clerks	515	459	-56	<b>-10.87%</b>	28	32	-6	54
41-9041	Telemarketers	2,380	2,125	-255	<b>-10.71%</b>	108	245	-26	327
45-4022	Logging Equipment Operators	1,769	1,583	-186	<b>-10.51%</b>	66	202	-19	249

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
00-0000	<b>TOTAL, ALL OCCUPATIONS</b>	<b>1,408,747</b>	<b>1,527,428</b>	<b>118,681</b>	<b>8.42%</b>	<b>64,780</b>	<b>102,234</b>	<b>11,868</b>	<b>178,882</b>			
11-0000	<b>MANAGEMENT OCCUPATIONS</b>	<b>129,733</b>	<b>138,626</b>	<b>8,893</b>	<b>6.85%</b>	<b>5,252</b>	<b>6,674</b>	<b>889</b>	<b>12,815</b>			
11-1000	<b>Top Executives</b>	<b>25,368</b>	<b>27,739</b>	<b>2,371</b>	<b>9.35%</b>	<b>581</b>	<b>1,660</b>	<b>237</b>	<b>2,478</b>			
11-1011	Chief Executives	3,253	3,253	0	0.00%	87	144	0	231	3	1	6
11-1021	General and Operations Managers	20,949	23,172	2,223	10.61%	463	1,453	222	2,138	3	1	6
11-1031	Legislators	1,166	1,314	148	12.69%	31	63	15	109	3	2	6
11-2000	<b>Advertising, Marketing, Promotions, Public Relations, and Sales Managers</b>	<b>4,357</b>	<b>4,853</b>	<b>496</b>	<b>11.38%</b>	<b>94</b>	<b>313</b>	<b>50</b>	<b>457</b>			
11-2011	Advertising and Promotions Managers	147	159	12	8.16%	3	11	1	15	3	2	6
11-2021	Marketing Managers	1,408	1,601	193	13.71%	31	103	19	153	3	1	6
11-2022	Sales Managers	2,369	2,576	207	8.74%	50	169	21	240	3	2	6
11-2031	Public Relations and Fundraising Managers	433	517	84	19.40%	10	30	8	48	3	1	6
11-3000	<b>Operations Specialties Managers</b>	<b>14,522</b>	<b>16,721</b>	<b>2,199</b>	<b>15.14%</b>	<b>342</b>	<b>887</b>	<b>220</b>	<b>1,449</b>			
11-3011	Administrative Services Managers	1,931	2,161	230	11.91%	56	114	23	193	3	2	6
11-3021	Computer and Information Systems Managers	2,456	2,857	401	16.33%	46	162	40	248	3	1	6
11-3031	Financial Managers	4,755	5,792	1,037	21.81%	114	292	104	510	3	1	6
11-3051	Industrial Production Managers	2,049	2,219	170	8.30%	46	110	17	173	3	1	6
11-3061	Purchasing Managers	600	664	64	10.67%	15	38	6	59	3	1	6
11-3071	Transportation, Storage, and Distribution Managers	1,329	1,457	128	9.63%	30	79	13	122	7	1	6
11-3111	Compensation and Benefits Managers	145	155	10	6.90%	4	9	1	14	3	1	6
11-3121	Human Resources Managers	1,023	1,151	128	12.51%	25	67	13	105	3	1	6
11-3131	Training and Development Managers	234	265	31	13.25%	6	16	3	25	3	1	6
11-9000	<b>Other Management Occupations</b>	<b>85,486</b>	<b>89,313</b>	<b>3,827</b>	<b>4.48%</b>	<b>4,236</b>	<b>3,814</b>	<b>383</b>	<b>8,433</b>			
11-9013	Farmers, Ranchers, and Other Agricultural Managers	53,965	53,924	-41	-0.08%	3,354	2,005	-4	5,355	7	1	6
11-9021	Construction Managers	3,320	3,705	385	11.60%	74	179	38	291	3	3	4
11-9031	Education Administrators, Preschool and Childcare Center/Program	681	780	99	14.54%	19	38	10	67	3	2	6
11-9032	Education Administrators, Elementary and Secondary School	2,186	2,338	152	6.95%	58	117	15	190	2	1	6
11-9033	Education Administrators, Postsecondary	1,619	1,745	126	7.78%	43	87	13	143	2	2	6
11-9039	Education Administrators, All Other	634	690	56	8.83%	17	34	6	57	3	2	6

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
11-9041	Architectural and Engineering Managers	870	923	53	6.09%	16	49	5	70	3	1	6
11-9051	Food Service Managers	2,153	2,450	297	13.79%	70	194	30	294	7	2	6
11-9061	Funeral Service Managers	338	362	24	7.10%	9	18	2	29	4	2	6
11-9081	Lodging Managers	842	899	57	6.77%	28	62	6	96	7	2	6
11-9111	Medical and Health Services Managers	5,249	6,265	1,016	19.36%	141	315	102	558	3	2	6
11-9121	Natural Sciences Managers	284	308	24	8.45%	6	20	2	28	3	1	6
11-9141	Property, Real Estate, and Community Association Managers	2,680	2,980	300	11.19%	105	112	30	247	7	2	6
11-9151	Social and Community Service Managers	1,816	2,164	348	19.16%	59	114	35	208	3	2	6
11-9199	Managers, All Other	8,509	9,444	935	10.99%	227	453	94	774	3	2	6
<b>13-0000</b>	<b>BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS</b>	<b>56,847</b>	<b>64,472</b>	<b>7,625</b>	<b>13.41%</b>	<b>1,684</b>	<b>4,073</b>	<b>762</b>	<b>6,519</b>			
<b>13-1000</b>	<b>Business Operations Specialists</b>	<b>38,287</b>	<b>43,713</b>	<b>5,426</b>	<b>14.17%</b>	<b>1,144</b>	<b>2,871</b>	<b>543</b>	<b>4,558</b>			
13-1020	Buyers and Purchasing Agents	3,464	3,419	-45	-1.30%	108	250	-4	354	3	3	4
13-1031	Claims Adjusters, Examiners, and Investigators	1,485	1,489	4	0.27%	36	90	0	126	7	3	3
13-1041	Compliance Officers	2,828	3,160	332	11.74%	84	179	33	296	3	3	4
13-1051	Cost Estimators	1,288	1,434	146	11.34%	34	100	15	149	3	3	4
13-1071	Human Resources Specialists	3,845	4,201	356	9.26%	107	296	36	439	3	3	6
13-1075	Labor Relations Specialists	366	364	-2	-0.55%	10	27	0	37	3	2	6
13-1081	Logisticians	1,586	1,772	186	11.73%	39	121	19	179	3	3	6
13-1111	Management Analysts	6,860	8,323	1,463	21.33%	236	480	146	862	3	2	6
13-1121	Meeting, Convention, and Event Planners	837	940	103	12.31%	28	73	10	111	3	3	6
13-1131	Fundraisers	704	994	290	41.19%	28	60	29	117	3	3	6
13-1141	Compensation, Benefits, and Job Analysis Specialists	671	742	71	10.58%	23	44	7	74	3	2	6
13-1151	Training and Development Specialists	2,394	2,705	311	12.99%	76	197	31	304	3	2	6
13-1161	Market Research Analysts and Marketing Specialists	4,963	6,283	1,320	26.60%	132	442	132	706	3	3	6
13-1199	Business Operations Specialists, All Other	6,957	7,843	886	12.74%	201	509	89	799	3	3	6
<b>13-2000</b>	<b>Financial Specialists</b>	<b>18,560</b>	<b>20,759</b>	<b>2,199</b>	<b>11.85%</b>	<b>541</b>	<b>1,202</b>	<b>220</b>	<b>1,963</b>			
13-2011	Accountants and Auditors	8,786	9,895	1,109	12.62%	264	607	111	982	3	3	6
13-2021	Appraisers and Assessors of Real Estate	588	656	68	11.56%	21	25	7	53	3	3	3

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
13-2031	Budget Analysts	538	586	48	8.92%	14	30	5	49	3	3	6
13-2041	Credit Analysts	468	512	44	9.40%	11	33	4	48	3	3	6
13-2051	Financial Analysts	1,128	1,280	152	13.48%	23	79	15	117	3	3	6
13-2052	Personal Financial Advisors	1,250	1,387	137	10.96%	30	70	14	114	3	3	3
13-2053	Insurance Underwriters	354	376	22	6.21%	8	22	2	32	3	3	4
13-2061	Financial Examiners	296	325	29	9.80%	6	17	3	26	3	3	3
13-2071	Credit Counselors	91	101	10	10.99%	2	6	1	9	3	3	4
13-2072	Loan Officers	2,739	3,060	321	11.72%	70	173	32	275	3	3	4
13-2081	Tax Examiners and Collectors, and Revenue Agents	534	576	42	7.87%	22	24	4	50	3	3	4
13-2082	Tax Preparers	741	822	81	10.93%	38	50	8	96	7	3	4
13-2099	Financial Specialists, All Other	1,047	1,183	136	12.99%	31	65	14	110	3	3	4
<b>15-0000</b>	<b>COMPUTER AND MATHEMATICAL OCCUPATIONS</b>	<b>24,488</b>	<b>28,339</b>	<b>3,851</b>	<b>15.73%</b>	<b>443</b>	<b>1,499</b>	<b>385</b>	<b>2,327</b>			
<b>15-1100</b>	<b>Computer Occupations</b>	<b>23,384</b>	<b>26,880</b>	<b>3,496</b>	<b>14.95%</b>	<b>416</b>	<b>1,437</b>	<b>350</b>	<b>2,203</b>			
15-1111	Computer and Information Research Scientists	40	45	5	12.50%	1	3	0	4	2	3	6
15-1121	Computer Systems Analysts	3,648	4,193	545	14.94%	74	209	54	337	3	3	6
15-1122	Information Security Analysts	911	1,251	340	37.32%	16	61	34	111	3	2	6
15-1131	Computer Programmers	2,015	1,940	-75	-3.72%	32	107	-8	131	3	3	6
15-1132	Software Developers, Applications	4,017	5,175	1,158	28.83%	64	260	116	440	3	3	6
15-1133	Software Developers, Systems Software	1,262	1,399	137	10.86%	18	75	14	107	3	3	6
15-1134	Web Developers	544	635	91	16.73%	10	35	9	54	4	3	6
15-1141	Database Administrators	513	585	72	14.04%	11	28	7	46	3	3	6
15-1142	Network and Computer Systems Administrators	2,585	2,811	226	8.74%	45	143	23	211	3	3	6
15-1143	Computer Network Architects	946	1,067	121	12.79%	13	57	12	82	3	1	6
15-1151	Computer User Support Specialists	4,129	4,649	520	12.59%	81	279	52	412	6	3	6
15-1152	Computer Network Support Specialists	1,814	2,059	245	13.51%	36	123	24	183	4	3	6
15-1199	Computer Occupations, All Other	960	1,071	111	11.56%	16	57	11	84	3	3	6
<b>15-2000</b>	<b>Mathematical Science Occupations</b>	<b>1,104</b>	<b>1,459</b>	<b>355</b>	<b>32.16%</b>	<b>27</b>	<b>62</b>	<b>36</b>	<b>125</b>			
15-2031	Operations Research Analysts	643	838	195	30.33%	17	31	20	68	3	3	6

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
15-2041	Statisticians	419	565	146	34.84%	9	29	15	53	2	3	6
<b>17-0000</b>	<b>ARCHITECTURE AND ENGINEERING OCCUPATIONS</b>	<b>13,206</b>	<b>14,304</b>	<b>1,098</b>	<b>8.31%</b>	<b>330</b>	<b>759</b>	<b>110</b>	<b>1,199</b>			
<b>17-1000</b>	<b>Architects, Surveyors, and Cartographers</b>	<b>1,341</b>	<b>1,482</b>	<b>141</b>	<b>10.51%</b>	<b>35</b>	<b>72</b>	<b>14</b>	<b>121</b>			
17-1011	Architects, Except Landscape and Naval	709	788	79	11.14%	18	40	8	66	3	3	2
17-1012	Landscape Architects	114	121	7	6.14%	3	6	1	10	3	3	2
17-1021	Cartographers and Photogrammetrists	91	111	20	21.98%	3	5	2	10	3	3	6
17-1022	Surveyors	427	462	35	8.20%	11	21	4	36	3	3	2
<b>17-2000</b>	<b>Engineers</b>	<b>8,164</b>	<b>8,876</b>	<b>712</b>	<b>8.72%</b>	<b>172</b>	<b>423</b>	<b>71</b>	<b>666</b>			
17-2021	Agricultural Engineers	29	30	1	3.45%	1	1	0	2	3	3	6
17-2031	Biomedical Engineers	60	65	5	8.33%	1	3	0	4	3	3	6
17-2041	Chemical Engineers	147	169	22	14.97%	3	7	2	12	3	3	6
17-2051	Civil Engineers	1,673	1,833	160	9.56%	36	101	16	153	3	3	6
17-2061	Computer Hardware Engineers	289	337	48	16.61%	6	16	5	27	3	3	6
17-2071	Electrical Engineers	1,057	1,137	80	7.57%	22	50	8	80	3	3	6
17-2072	Electronics Engineers, Except Computer	421	422	1	0.24%	8	19	0	27	3	3	6
17-2081	Environmental Engineers	131	139	8	6.11%	4	7	1	12	3	3	6
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	173	189	16	9.25%	4	9	2	15	3	3	6
17-2112	Industrial Engineers	1,840	2,095	255	13.86%	40	95	26	161	3	3	6
17-2131	Materials Engineers	146	159	13	8.90%	3	6	1	10	3	3	6
17-2141	Mechanical Engineers	1,059	1,134	75	7.08%	20	54	8	82	3	3	6
17-2171	Petroleum Engineers	98	93	-5	-5.10%	2	5	0	7	3	3	6
17-2199	Engineers, All Other	687	723	36	5.24%	14	34	4	52	3	3	6
<b>17-3000</b>	<b>Drafters, Engineering Technicians, and Mapping Technicians</b>	<b>3,701</b>	<b>3,946</b>	<b>245</b>	<b>6.62%</b>	<b>124</b>	<b>264</b>	<b>24</b>	<b>412</b>			
17-3011	Architectural and Civil Drafters	604	630	26	4.30%	20	43	3	66	4	3	6
17-3012	Electrical and Electronics Drafters	138	147	9	6.52%	5	10	1	16	4	3	6
17-3013	Mechanical Drafters	334	329	-5	-1.50%	11	23	0	34	4	3	6
17-3019	Drafters, All Other	24	26	2	8.33%	1	2	0	3	4	3	6
17-3022	Civil Engineering Technicians	248	270	22	8.87%	9	17	2	28	4	3	6

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
17-3023	Electrical and Electronics Engineering Technicians	568	605	37	6.51%	19	38	4	61	4	3	6
17-3025	Environmental Engineering Technicians	172	184	12	6.98%	6	12	1	19	4	3	6
17-3026	Industrial Engineering Technicians	476	503	27	5.67%	16	32	3	51	4	3	6
17-3027	Mechanical Engineering Technicians	137	145	8	5.84%	5	9	1	15	4	3	6
17-3029	Engineering Technicians, Except Drafters, All Other	529	596	67	12.67%	19	36	7	62	4	3	6
17-3031	Surveying and Mapping Technicians	450	490	40	8.89%	13	42	4	59	7	3	4
<b>19-0000</b>	<b>LIFE, PHYSICAL, AND SOCIAL SCIENCE OCCUPATIONS</b>	<b>7,051</b>	<b>7,725</b>	<b>674</b>	<b>9.56%</b>	<b>154</b>	<b>598</b>	<b>67</b>	<b>819</b>			
<b>19-1000</b>	<b>Life Scientists</b>	<b>1,575</b>	<b>1,703</b>	<b>128</b>	<b>8.13%</b>	<b>28</b>	<b>133</b>	<b>13</b>	<b>174</b>			
19-1011	Animal Scientists	21	21	0	0.00%	0	2	0	2	3	3	6
19-1012	Food Scientists and Technologists	215	242	27	12.56%	5	21	3	29	3	3	6
19-1013	Soil and Plant Scientists	91	101	10	10.99%	2	9	1	12	3	3	6
19-1022	Microbiologists	205	221	16	7.80%	3	16	2	21	3	3	6
19-1029	Biological Scientists, All Other	263	269	6	2.28%	4	20	1	25	3	3	6
19-1031	Conservation Scientists	140	142	2	1.43%	3	12	0	15	3	3	6
19-1032	Foresters	218	237	19	8.72%	4	19	2	25	3	3	6
19-1041	Epidemiologists	52	56	4	7.69%	1	4	0	5	2	3	6
19-1042	Medical Scientists, Except Epidemiologists	161	188	27	16.77%	2	13	3	18	1	3	6
<b>19-2000</b>	<b>Physical Scientists</b>	<b>839</b>	<b>917</b>	<b>78</b>	<b>9.30%</b>	<b>15</b>	<b>71</b>	<b>8</b>	<b>94</b>			
19-2021	Atmospheric and Space Scientists	28	28	0	0.00%	0	2	0	2	3	3	6
19-2031	Chemists	330	349	19	5.76%	6	25	2	33	3	3	6
19-2041	Environmental Scientists and Specialists, Including Health	282	331	49	17.38%	6	28	5	39	3	3	6
19-2042	Geoscientists, Except Hydrologists and Geographers	94	105	11	11.70%	2	9	1	12	3	3	6
<b>19-3000</b>	<b>Social Scientists and Related Workers</b>	<b>1,448</b>	<b>1,662</b>	<b>214</b>	<b>14.78%</b>	<b>36</b>	<b>90</b>	<b>21</b>	<b>147</b>			
19-3011	Economists	102	112	10	9.80%	2	6	1	9	2	3	6
19-3022	Survey Researchers	88	96	8	9.09%	3	8	1	12	2	3	6
19-3031	Clinical, Counseling, and School Psychologists	832	994	162	19.47%	20	44	16	80	1	3	2
19-3039	Psychologists, All Other	111	119	8	7.21%	3	6	1	10	2	3	2

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
19-3051	Urban and Regional Planners	99	116	17	17.17%	2	8	2	12	2	3	6
19-3091	Anthropologists and Archeologists	36	37	1	2.78%	1	3	0	4	2	3	6
19-3099	Social Scientists and Related Workers, All Other	158	162	4	2.53%	5	13	0	18	3	3	6
<b>19-4000</b>	<b>Life, Physical, and Social Science Technicians</b>	<b>3,189</b>	<b>3,443</b>	<b>254</b>	<b>7.96%</b>	<b>75</b>	<b>304</b>	<b>25</b>	<b>404</b>			
19-4011	Agricultural and Food Science Technicians	1,033	1,101	68	6.58%	23	107	7	137	4	3	4
19-4021	Biological Technicians	218	230	12	5.50%	3	20	1	24	3	3	6
19-4031	Chemical Technicians	650	698	48	7.38%	13	54	5	72	4	3	4
19-4041	Geological and Petroleum Technicians	51	52	1	1.96%	1	4	0	5	4	3	4
19-4061	Social Science Research Assistants	292	311	19	6.51%	8	28	2	38	3	3	6
19-4091	Environmental Science and Protection Technicians, Including Health	142	166	24	16.90%	4	14	2	20	4	3	6
19-4092	Forensic Science Technicians	161	194	33	20.50%	5	16	3	24	3	3	4
19-4093	Forest and Conservation Technicians	268	287	19	7.09%	8	25	2	35	4	3	6
19-4099	Life, Physical, and Social Science Technicians, All Other	374	404	30	8.02%	11	36	3	50	4	3	6
<b>21-0000</b>	<b>COMMUNITY AND SOCIAL SERVICE OCCUPATIONS</b>	<b>29,726</b>	<b>34,124</b>	<b>4,398</b>	<b>14.80%</b>	<b>1,239</b>	<b>2,198</b>	<b>440</b>	<b>3,877</b>			
<b>21-1000</b>	<b>Counselors, Social Workers, and Other Community and Social Service Specialists</b>	<b>15,780</b>	<b>18,127</b>	<b>2,347</b>	<b>14.87%</b>	<b>564</b>	<b>1,216</b>	<b>235</b>	<b>2,015</b>			
21-1012	Educational, Guidance, School, and Vocational Counselors	2,185	2,386	201	9.20%	74	160	20	254	2	3	6
21-1013	Marriage and Family Therapists	47	61	14	29.79%	2	4	1	7	2	3	2
21-1015	Rehabilitation Counselors	639	752	113	17.68%	22	49	11	82	2	3	6
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	1,937	2,271	334	17.24%	68	147	33	248	3	3	6
21-1019	Counselors, All Other	91	100	9	9.89%	3	7	1	11	2	3	6
21-1021	Child, Family, and School Social Workers	1,627	1,789	162	9.96%	50	116	16	182	3	3	6
21-1022	Healthcare Social Workers	1,321	1,538	217	16.43%	42	97	22	161	2	3	2
21-1023	Mental Health and Substance Abuse Social Workers	1,126	1,320	194	17.23%	36	83	19	138	2	3	2
21-1029	Social Workers, All Other	607	649	42	6.92%	18	43	4	65	3	3	6
21-1091	Health Educators	241	273	32	13.28%	10	19	3	32	3	3	6

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
21-1092	Probation Officers and Correctional Treatment Specialists	1,015	1,114	99	9.75%	23	67	10	100	3	3	5
21-1093	Social and Human Service Assistants	4,293	5,100	807	18.80%	188	370	81	639	7	3	5
21-1094	Community Health Workers	370	448	78	21.08%	15	31	8	54	7	3	5
21-1099	Community and Social Service Specialists, All Other	281	326	45	16.01%	11	23	4	38	3	3	6
<b>21-2000</b>	<b>Religious Workers</b>	<b>13,946</b>	<b>15,997</b>	<b>2,051</b>	<b>14.71%</b>	<b>675</b>	<b>982</b>	<b>205</b>	<b>1,862</b>			
21-2011	Clergy	12,129	13,915	1,786	14.73%	570	840	179	1,589	3	3	4
21-2021	Directors, Religious Activities and Education	886	1,014	128	14.45%	47	71	13	131	3	2	6
21-2099	Religious Workers, All Other	931	1,068	137	14.72%	58	71	14	143	3	3	6
<b>23-0000</b>	<b>LEGAL OCCUPATIONS</b>	<b>7,765</b>	<b>8,620</b>	<b>855</b>	<b>11.01%</b>	<b>212</b>	<b>341</b>	<b>86</b>	<b>639</b>			
<b>23-1000</b>	<b>Lawyers, Judges, and Related Workers</b>	<b>4,910</b>	<b>5,402</b>	<b>492</b>	<b>10.02%</b>	<b>110</b>	<b>137</b>	<b>49</b>	<b>296</b>			
23-1011	Lawyers	4,196	4,616	420	10.01%	95	117	42	254	1	3	6
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	328	359	31	9.45%	7	9	3	19	1	1	5
23-1023	Judges, Magistrate Judges, and Magistrates	308	340	32	10.39%	7	9	3	19	1	1	5
<b>23-2000</b>	<b>Legal Support Workers</b>	<b>2,855</b>	<b>3,218</b>	<b>363</b>	<b>12.71%</b>	<b>101</b>	<b>204</b>	<b>36</b>	<b>341</b>			
23-2011	Paralegals and Legal Assistants	1,987	2,290	303	15.25%	71	155	30	256	4	3	6
23-2091	Court Reporters	198	226	28	14.14%	7	12	3	22	5	3	5
23-2093	Title Examiners, Abstractors, and Searchers	471	497	26	5.52%	16	27	3	46	7	3	4
23-2099	Legal Support Workers, All Other	199	205	6	3.02%	7	11	1	19	4	3	6
<b>25-0000</b>	<b>EDUCATION, TRAINING, AND LIBRARY OCCUPATIONS</b>	<b>76,064</b>	<b>81,929</b>	<b>5,865</b>	<b>7.71%</b>	<b>3,070</b>	<b>3,747</b>	<b>586</b>	<b>7,403</b>			
<b>25-1000</b>	<b>Postsecondary Teachers</b>	<b>15,985</b>	<b>17,451</b>	<b>1,466</b>	<b>9.17%</b>	<b>615</b>	<b>767</b>	<b>147</b>	<b>1,529</b>			
25-1011	Business Teachers, Postsecondary	735	840	105	14.29%	29	36	10	75	1	3	6
25-1021	Computer Science Teachers, Postsecondary	355	381	26	7.32%	14	17	3	34	1	3	6
25-1022	Mathematical Science Teachers, Postsecondary	527	565	38	7.21%	20	25	4	49	1	3	6
25-1032	Engineering Teachers, Postsecondary	293	325	32	10.92%	11	14	3	28	1	3	6
25-1041	Agricultural Sciences Teachers, Postsecondary	484	505	21	4.34%	18	23	2	43	1	3	6



# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
25-1042	Biological Science Teachers, Postsecondary	449	507	58	12.92%	18	22	6	46	1	3	6
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	85	89	4	4.71%	3	4	0	7	1	3	6
25-1052	Chemistry Teachers, Postsecondary	201	215	14	6.97%	8	10	1	19	1	3	6
25-1053	Environmental Science Teachers, Postsecondary	37	39	2	5.41%	1	2	0	3	1	3	6
25-1054	Physics Teachers, Postsecondary	98	104	6	6.12%	4	5	1	10	1	3	6
25-1061	Anthropology and Archaeology Teachers, Postsecondary	26	28	2	7.69%	1	1	0	2	1	3	6
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	40	42	2	5.00%	2	2	0	4	1	3	6
25-1063	Economics Teachers, Postsecondary	50	53	3	6.00%	2	2	0	4	1	3	6
25-1065	Political Science Teachers, Postsecondary	80	85	5	6.25%	3	4	0	7	1	3	6
25-1066	Psychology Teachers, Postsecondary	262	294	32	12.21%	10	13	3	26	1	3	6
25-1067	Sociology Teachers, Postsecondary	73	78	5	6.85%	3	4	0	7	1	3	6
25-1069	Social Sciences Teachers, Postsecondary, All Other	281	296	15	5.34%	11	13	2	26	1	3	6
25-1071	Health Specialties Teachers, Postsecondary	1,668	2,062	394	23.62%	69	86	39	194	1	2	6
25-1072	Nursing Instructors and Teachers, Postsecondary	727	897	170	23.38%	30	37	17	84	1	2	6
25-1081	Education Teachers, Postsecondary	537	575	38	7.08%	20	26	4	50	1	2	6
25-1082	Library Science Teachers, Postsecondary	36	38	2	5.56%	1	2	0	3	1	3	6
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	77	87	10	12.99%	3	4	1	8	1	3	6
25-1113	Social Work Teachers, Postsecondary	158	168	10	6.33%	6	8	1	15	1	3	6
25-1121	Art, Drama, and Music Teachers, Postsecondary	670	719	49	7.31%	26	32	5	63	2	3	6
25-1122	Communications Teachers, Postsecondary	296	314	18	6.08%	11	14	2	27	1	3	6
25-1123	English Language and Literature Teachers, Postsecondary	734	787	53	7.22%	28	35	5	68	1	3	6
25-1124	Foreign Language and Literature Teachers, Postsecondary	159	170	11	6.92%	6	8	1	15	1	3	6
25-1125	History Teachers, Postsecondary	265	285	20	7.55%	10	13	2	25	1	3	6
25-1126	Philosophy and Religion Teachers, Postsecondary	85	92	7	8.24%	3	4	1	8	1	3	6
25-1191	Graduate Teaching Assistants	3,921	4,073	152	3.88%	147	183	15	345	3	3	6
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	151	160	9	5.96%	6	7	1	14	1	3	6

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
25-1194	Vocational Education Teachers, Postsecondary	1,141	1,218	77	6.75%	43	54	8	105	3	2	6
25-1199	Postsecondary Teachers, All Other	1,101	1,166	65	5.90%	42	52	6	100	1	3	6
<b>25-2000</b>	<b>Preschool, Primary, Secondary, and Special Education School Teachers</b>	<b>38,658</b>	<b>41,333</b>	<b>2,675</b>	<b>6.92%</b>	<b>1,256</b>	<b>1,795</b>	<b>268</b>	<b>3,319</b>			
25-2011	Preschool Teachers, Except Special Education	3,539	4,036	497	14.04%	150	230	50	430	4	3	6
25-2012	Kindergarten Teachers, Except Special Education	1,478	1,583	105	7.10%	61	93	10	164	3	3	6
25-2021	Elementary School Teachers, Except Special Education	11,943	12,664	721	6.04%	383	525	72	980	3	3	6
25-2022	Middle School Teachers, Except Special and Career/Technical Education	5,551	5,904	353	6.36%	178	244	35	457	3	3	6
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	10,883	11,550	667	6.13%	312	474	67	853	3	3	6
25-2032	Career/Technical Education Teachers, Secondary School	1,278	1,339	61	4.77%	36	55	6	97	3	2	6
25-2051	Special Education Teachers, Preschool	441	504	63	14.29%	16	20	6	42	3	3	6
25-2052	Special Education Teachers, Kindergarten and Elementary School	1,229	1,300	71	5.78%	42	53	7	102	3	3	6
25-2053	Special Education Teachers, Middle School	875	920	45	5.14%	30	38	4	72	3	3	6
25-2054	Special Education Teachers, Secondary School	1,232	1,303	71	5.76%	42	53	7	102	3	3	6
<b>25-3000</b>	<b>Other Teachers and Instructors</b>	<b>5,498</b>	<b>5,944</b>	<b>446</b>	<b>8.11%</b>	<b>330</b>	<b>322</b>	<b>45</b>	<b>697</b>			
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	400	378	-22	-5.50%	22	22	-2	42	3	3	6
25-3021	Self-Enrichment Education Teachers	1,126	1,250	124	11.01%	69	67	12	148	7	2	6
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	1,201	1,302	101	8.41%	72	70	10	152	3	3	6
25-3098	Substitute Teachers	2,771	3,014	243	8.77%	167	163	24	354	3	3	6
<b>25-4000</b>	<b>Librarians, Curators, and Archivists</b>	<b>2,006</b>	<b>2,115</b>	<b>109</b>	<b>5.43%</b>	<b>126</b>	<b>108</b>	<b>11</b>	<b>245</b>			
25-4011	Archivists	66	71	5	7.58%	3	4	0	7	2	3	6
25-4012	Curators	85	95	10	11.76%	4	6	1	11	2	3	6
25-4013	Museum Technicians and Conservators	65	73	8	12.31%	3	4	1	8	3	3	6
25-4021	Librarians	1,294	1,385	91	7.03%	72	61	9	142	2	3	6
25-4031	Library Technicians	496	491	-5	-1.01%	44	32	0	76	5	3	6
<b>25-9000</b>	<b>Other Education, Training, and Library Occupations</b>	<b>13,917</b>	<b>15,086</b>	<b>1,169</b>	<b>8.40%</b>	<b>742</b>	<b>756</b>	<b>117</b>	<b>1,615</b>			

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
25-9011	Audio-Visual and Multimedia Collections Specialists	92	100	8	8.70%	4	5	1	10	3	2	6
25-9021	Farm and Home Management Advisors	253	278	25	9.88%	11	14	2	27	2	3	6
25-9031	Instructional Coordinators	1,838	1,986	148	8.05%	80	98	15	193	2	1	6
25-9041	Teacher Assistants	11,610	12,590	980	8.44%	642	633	98	1,373	6	3	6
25-9099	Education, Training, and Library Workers, All Other	124	132	8	6.45%	5	7	1	13	3	3	6
<b>27-0000</b>	<b>ARTS, DESIGN, ENTERTAINMENT, SPORTS, AND MEDIA OCCUPATIONS</b>	<b>15,884</b>	<b>16,838</b>	<b>954</b>	<b>6.01%</b>	<b>665</b>	<b>1,150</b>	<b>95</b>	<b>1,910</b>			
<b>27-1000</b>	<b>Art and Design Workers</b>	<b>5,637</b>	<b>5,979</b>	<b>342</b>	<b>6.07%</b>	<b>205</b>	<b>382</b>	<b>34</b>	<b>621</b>			
27-1011	Art Directors	326	341	15	4.60%	17	19	2	38	3	1	6
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	231	238	7	3.03%	12	14	1	27	3	3	3
27-1014	Multimedia Artists and Animators	210	224	14	6.67%	11	12	1	24	3	3	6
27-1021	Commercial and Industrial Designers	130	143	13	10.00%	4	9	1	14	3	3	6
27-1022	Fashion Designers	50	55	5	10.00%	2	4	0	6	3	3	6
27-1023	Floral Designers	440	383	-57	-12.95%	13	28	-6	35	7	3	4
27-1024	Graphic Designers	1,911	2,061	150	7.85%	64	134	15	213	3	3	6
27-1025	Interior Designers	324	354	30	9.26%	11	23	3	37	3	3	6
<b>27-2000</b>	<b>Entertainers and Performers, Sports and Related Workers</b>	<b>5,028</b>	<b>5,407</b>	<b>379</b>	<b>7.54%</b>	<b>275</b>	<b>391</b>	<b>38</b>	<b>704</b>			
27-2012	Producers and Directors	596	625	29	4.87%	13	47	3	63	3	2	6
27-2022	Coaches and Scouts	1,719	1,861	142	8.26%	101	160	14	275	3	3	6
27-2042	Musicians and Singers	1,699	1,836	137	8.06%	101	109	14	224	8	3	3
<b>27-3000</b>	<b>Media and Communication Workers</b>	<b>3,595</b>	<b>3,838</b>	<b>243</b>	<b>6.76%</b>	<b>128</b>	<b>270</b>	<b>24</b>	<b>422</b>			
27-3011	Radio and Television Announcers	454	407	-47	-10.35%	18	32	-5	45	3	3	6
27-3021	Broadcast News Analysts	37	36	-1	-2.70%	1	3	0	4	3	3	6
27-3022	Reporters and Correspondents	314	276	-38	-12.10%	10	26	-4	32	3	3	6
27-3031	Public Relations Specialists	1,466	1,713	247	16.85%	47	118	25	190	3	3	6
27-3041	Editors	412	408	-4	-0.97%	12	32	0	44	3	2	6
27-3042	Technical Writers	214	235	21	9.81%	7	15	2	24	3	2	5
27-3043	Writers and Authors	346	357	11	3.18%	15	22	1	38	3	3	3
27-3091	Interpreters and Translators	148	172	24	16.22%	7	9	2	18	3	3	6

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
<b>27-4000</b>	<b>Media and Communication Equipment Workers</b>	<b>1,624</b>	<b>1,614</b>	<b>-10</b>	<b>-0.62%</b>	<b>57</b>	<b>107</b>	<b>-1</b>	<b>163</b>			
27-4011	Audio and Video Equipment Technicians	255	300	45	17.65%	9	20	4	33	5	3	5
27-4021	Photographers	926	858	-68	-7.34%	34	54	-7	81	7	3	4
27-4031	Camera Operators, Television, Video, and Motion Picture	117	126	9	7.69%	3	9	1	13	3	3	6
<b>29-0000</b>	<b>HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS</b>	<b>84,337</b>	<b>95,530</b>	<b>11,193</b>	<b>13.27%</b>	<b>2,387</b>	<b>2,830</b>	<b>1,119</b>	<b>6,336</b>			
<b>29-1000</b>	<b>Health Diagnosing and Treating Practitioners</b>	<b>48,522</b>	<b>55,955</b>	<b>7,433</b>	<b>15.32%</b>	<b>1,265</b>	<b>1,278</b>	<b>743</b>	<b>3,286</b>			
29-1011	Chiropractors	372	406	34	9.14%	7	4	3	14	1	3	6
29-1021	Dentists, General	977	1,080	103	10.54%	22	9	10	41	1	3	6
29-1029	Dentists, All Other Specialists	39	41	2	5.13%	1	0	0	1	1	3	2
29-1031	Dietitians and Nutritionists	549	615	66	12.02%	19	18	7	44	3	3	2
29-1041	Optometrists	355	387	32	9.01%	7	4	3	14	1	3	6
29-1051	Pharmacists	3,317	3,354	37	1.12%	79	71	4	154	1	3	6
29-1062	Family and General Practitioners	1,374	1,595	221	16.08%	24	19	22	65	1	3	2
29-1063	Internists, General	115	122	7	6.09%	2	2	1	5	1	3	2
29-1064	Obstetricians and Gynecologists	149	157	8	5.37%	2	2	1	5	1	3	2
29-1065	Pediatricians, General	91	95	4	4.40%	2	1	0	3	1	3	2
29-1066	Psychiatrists	218	245	27	12.39%	4	3	3	10	1	3	2
29-1067	Surgeons	138	144	6	4.35%	2	2	1	5	1	3	2
29-1069	Physicians and Surgeons, All Other	3,106	3,445	339	10.91%	54	42	34	130	1	3	2
29-1071	Physician Assistants	535	720	185	34.58%	10	26	18	54	2	3	6
29-1081	Podiatrists	70	74	4	5.71%	2	2	0	4	1	3	2
29-1122	Occupational Therapists	1,260	1,537	277	21.98%	31	47	28	106	2	3	6
29-1123	Physical Therapists	2,161	2,666	505	23.37%	44	56	50	150	1	3	6
29-1124	Radiation Therapists	247	283	36	14.57%	4	9	4	17	4	3	6
29-1125	Recreational Therapists	64	67	3	4.69%	1	2	0	3	3	3	6
29-1126	Respiratory Therapists	1,141	1,401	260	22.79%	35	32	26	93	4	3	6
29-1127	Speech-Language Pathologists	2,110	2,902	792	37.54%	49	85	79	213	2	3	2
29-1128	Exercise Physiologists	64	71	7	10.94%	2	2	1	5	3	3	6

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
29-1129	Therapists, All Other	118	145	27	22.88%	3	4	3	10	3	3	6
29-1131	Veterinarians	652	760	108	16.56%	13	14	11	38	1	3	6
29-1141	Registered Nurses	26,274	29,824	3,550	13.51%	778	720	355	1,853	3	3	6
29-1151	Nurse Anesthetists	368	445	77	20.92%	6	14	8	28	2	3	6
29-1171	Nurse Practitioners	1,966	2,593	627	31.89%	45	77	63	185	2	3	6
29-1181	Audiologists	119	145	26	21.85%	2	3	3	8	1	3	6
29-1199	Health Diagnosing and Treating Practitioners, All Other	268	300	32	11.94%	8	5	3	16	2	3	6
<b>29-2000</b>	<b>Health Technologists and Technicians</b>	<b>34,171</b>	<b>37,767</b>	<b>3,596</b>	<b>10.52%</b>	<b>1,083</b>	<b>1,495</b>	<b>360</b>	<b>2,938</b>			
29-2010	Clinical Laboratory Technologists and Technicians	2,386	2,596	210	8.80%	69	88	21	178	3	3	6
29-2021	Dental Hygienists	1,395	1,594	199	14.27%	62	38	20	120	4	3	6
29-2031	Cardiovascular Technologists and Technicians	579	628	49	8.46%	15	18	5	38	4	3	6
29-2032	Diagnostic Medical Sonographers	595	723	128	21.51%	16	20	13	49	4	3	6
29-2033	Nuclear Medicine Technologists	177	190	13	7.34%	4	6	1	11	4	3	6
29-2034	Radiologic Technologists	2,510	2,825	315	12.55%	66	81	32	179	4	3	6
29-2035	Magnetic Resonance Imaging Technologists	341	379	38	11.14%	9	11	4	24	4	2	6
29-2041	Emergency Medical Technicians and Paramedics	2,154	2,373	219	10.17%	40	110	22	172	5	3	6
29-2051	Dietetic Technicians	167	179	12	7.19%	5	9	1	15	4	3	6
29-2052	Pharmacy Technicians	4,505	4,925	420	9.32%	136	244	42	422	7	3	4
29-2053	Psychiatric Technicians	1,030	1,146	116	11.26%	32	56	12	100	5	2	5
29-2054	Respiratory Therapy Technicians	322	138	-184	-57.14%	7	12	-18	1	4	3	6
29-2055	Surgical Technologists	1,117	1,224	107	9.58%	34	60	11	105	5	3	6
29-2056	Veterinary Technologists and Technicians	331	388	57	17.22%	10	19	6	35	4	3	6
29-2057	Ophthalmic Medical Technicians	390	468	78	20.00%	12	22	8	42	5	3	6
29-2061	Licensed Practical and Licensed Vocational Nurses	12,405	13,738	1,333	10.75%	444	552	133	1,129	5	3	6
29-2071	Medical Records and Health Information Technicians	1,905	2,146	241	12.65%	60	69	24	153	5	3	6
29-2081	Opticians, Dispensing	616	674	58	9.42%	25	26	6	57	7	3	3
29-2099	Health Technologists and Technicians, All Other	1,135	1,297	162	14.27%	33	49	16	98	5	3	6
<b>29-9000</b>	<b>Other Healthcare Practitioners and Technical Occupations</b>	<b>1,644</b>	<b>1,808</b>	<b>164</b>	<b>9.98%</b>	<b>40</b>	<b>57</b>	<b>16</b>	<b>113</b>			

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
29-9011	Occupational Health and Safety Specialists	683	750	67	9.81%	16	24	7	47	3	3	6
29-9012	Occupational Health and Safety Technicians	217	238	21	9.68%	5	8	2	15	7	3	4
29-9099	Healthcare Practitioners and Technical Workers, All Other	604	648	44	7.28%	14	21	4	39	5	3	6
<b>31-0000</b>	<b>HEALTHCARE SUPPORT OCCUPATIONS</b>	<b>37,232</b>	<b>43,612</b>	<b>6,380</b>	<b>17.14%</b>	<b>2,050</b>	<b>2,556</b>	<b>638</b>	<b>5,244</b>			
<b>31-1000</b>	<b>Nursing, Psychiatric, and Home Health Aides</b>	<b>24,889</b>	<b>28,822</b>	<b>3,933</b>	<b>15.80%</b>	<b>1,444</b>	<b>1,566</b>	<b>393</b>	<b>3,403</b>			
31-1011	Home Health Aides	5,154	6,562	1,408	27.32%	315	342	141	798	7	3	5
31-1013	Psychiatric Aides	357	421	64	17.93%	21	23	6	50	7	3	5
31-1014	Nursing Assistants	18,811	21,228	2,417	12.85%	1,076	1,167	242	2,485	5	3	6
31-1015	Orderlies	567	611	44	7.76%	32	34	4	70	7	3	5
<b>31-2000</b>	<b>Occupational Therapy and Physical Therapist Assistants and Aides</b>	<b>1,696</b>	<b>2,170</b>	<b>474</b>	<b>27.95%</b>	<b>83</b>	<b>150</b>	<b>47</b>	<b>280</b>			
31-2011	Occupational Therapy Assistants	313	435	122	38.98%	16	24	12	52	4	3	6
31-2021	Physical Therapist Assistants	1,123	1,416	293	26.09%	55	103	29	187	4	3	6
<b>31-9000</b>	<b>Other Healthcare Support Occupations</b>	<b>10,647</b>	<b>12,620</b>	<b>1,973</b>	<b>18.53%</b>	<b>523</b>	<b>840</b>	<b>197</b>	<b>1,560</b>			
31-9011	Massage Therapists	394	468	74	18.78%	27	23	7	57	5	3	6
31-9091	Dental Assistants	2,872	3,311	439	15.29%	143	203	44	390	5	3	6
31-9092	Medical Assistants	3,807	4,785	978	25.69%	168	306	98	572	5	3	6
31-9094	Medical Transcriptionists	461	413	-48	-10.41%	26	34	-5	55	5	3	6
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	1,009	1,183	174	17.24%	60	117	17	194	7	3	5
31-9097	Phlebotomists	954	1,212	258	27.04%	40	74	26	140	5	3	6
31-9099	Healthcare Support Workers, All Other	598	688	90	15.05%	32	41	9	82	7	3	6
<b>33-0000</b>	<b>PROTECTIVE SERVICE OCCUPATIONS</b>	<b>28,701</b>	<b>30,969</b>	<b>2,268</b>	<b>7.90%</b>	<b>1,146</b>	<b>1,698</b>	<b>227</b>	<b>3,071</b>			
<b>33-1000</b>	<b>Supervisors of Protective Service Workers</b>	<b>4,177</b>	<b>4,595</b>	<b>418</b>	<b>10.01%</b>	<b>120</b>	<b>183</b>	<b>42</b>	<b>345</b>			
33-1011	First-Line Supervisors of Correctional Officers	534	538	4	0.75%	17	21	0	38	7	2	6
33-1012	First-Line Supervisors of Police and Detectives	1,833	2,065	232	12.66%	47	73	23	143	7	2	4
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	1,066	1,202	136	12.76%	28	44	14	86	5	2	4

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
33-1099	First-Line Supervisors of Protective Service Workers, All Other	744	790	46	6.18%	28	45	5	78	7	2	6
<b>33-2000</b>	<b>Fire Fighting and Prevention Workers</b>	<b>2,780</b>	<b>3,146</b>	<b>366</b>	<b>13.17%</b>	<b>60</b>	<b>148</b>	<b>37</b>	<b>245</b>			
33-2011	Firefighters	2,523	2,819	296	11.73%	48	134	30	212	5	3	3
33-2021	Fire Inspectors and Investigators	39	43	4	10.26%	2	2	0	4	5	1	4
33-2022	Forest Fire Inspectors and Prevention Specialists	218	284	66	30.28%	10	13	7	30	7	2	4
<b>33-3000</b>	<b>Law Enforcement Workers</b>	<b>13,086</b>	<b>13,918</b>	<b>832</b>	<b>6.36%</b>	<b>407</b>	<b>646</b>	<b>83</b>	<b>1,136</b>			
33-3012	Correctional Officers and Jailers	5,940	5,922	-18	-0.30%	226	297	-2	521	7	3	4
33-3021	Detectives and Criminal Investigators	532	582	50	9.40%	12	24	5	41	7	2	4
33-3051	Police and Sheriff's Patrol Officers	6,316	7,102	786	12.44%	161	310	79	550	7	3	4
<b>33-9000</b>	<b>Other Protective Service Workers</b>	<b>8,658</b>	<b>9,310</b>	<b>652</b>	<b>7.53%</b>	<b>559</b>	<b>721</b>	<b>65</b>	<b>1,345</b>			
33-9011	Animal Control Workers	164	185	21	12.80%	7	9	2	18	7	3	4
33-9032	Security Guards	6,851	7,337	486	7.09%	362	551	49	962	7	3	5
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	541	601	60	11.09%	75	63	6	144	8	3	5
33-9093	Transportation Security Screeners	160	163	3	1.88%	7	8	0	15	7	3	5
33-9099	Protective Service Workers, All Other	650	697	47	7.23%	89	74	5	168	7	3	5
<b>35-0000</b>	<b>FOOD PREPARATION AND SERVING RELATED OCCUPATIONS</b>	<b>110,039</b>	<b>125,858</b>	<b>15,819</b>	<b>14.38%</b>	<b>8,053</b>	<b>12,004</b>	<b>1,582</b>	<b>21,639</b>			
<b>35-1000</b>	<b>Supervisors of Food Preparation and Serving Workers</b>	<b>12,936</b>	<b>14,648</b>	<b>1,712</b>	<b>13.23%</b>	<b>592</b>	<b>1,499</b>	<b>171</b>	<b>2,262</b>			
35-1011	Chefs and Head Cooks	610	694	84	13.77%	20	66	8	94	7	1	6
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	12,326	13,954	1,628	13.21%	572	1,433	163	2,168	7	2	6
<b>35-2000</b>	<b>Cooks and Food Preparation Workers</b>	<b>27,045</b>	<b>30,776</b>	<b>3,731</b>	<b>13.80%</b>	<b>1,633</b>	<b>2,610</b>	<b>373</b>	<b>4,616</b>			
35-2011	Cooks, Fast Food	4,141	3,946	-195	-4.71%	215	357	-20	552	8	3	5
35-2012	Cooks, Institution and Cafeteria	6,379	7,010	631	9.89%	355	592	63	1,010	8	3	5
35-2014	Cooks, Restaurant	10,992	13,714	2,722	24.76%	656	1,092	272	2,020	8	2	4
35-2015	Cooks, Short Order	398	431	33	8.29%	22	37	3	62	8	3	5
35-2021	Food Preparation Workers	4,608	5,086	478	10.37%	355	483	48	886	8	3	5
<b>35-3000</b>	<b>Food and Beverage Serving Workers</b>	<b>61,884</b>	<b>71,453</b>	<b>9,569</b>	<b>15.46%</b>	<b>5,077</b>	<b>7,080</b>	<b>957</b>	<b>13,114</b>			
35-3011	Bartenders	2,022	2,251	229	11.33%	100	276	23	399	8	3	5

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,419	45,927	7,508	19.54%	3,362	4,147	751	8,260	8	3	5
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,278	1,363	85	6.65%	149	138	8	295	8	3	5
35-3031	Waiters and Waitresses	18,758	20,342	1,584	8.44%	1,357	2,396	158	3,911	8	3	5
35-3041	Food Servers, Nonrestaurant	1,407	1,570	163	11.58%	110	123	16	249	8	3	5
<b>35-9000</b>	<b>Other Food Preparation and Serving Related Workers</b>	<b>8,174</b>	<b>8,981</b>	<b>807</b>	<b>9.87%</b>	<b>751</b>	<b>815</b>	<b>81</b>	<b>1,647</b>			
35-9021	Dishwashers	3,454	3,620	166	4.81%	263	298	17	578	8	3	5
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,306	2,615	309	13.40%	275	289	31	595	8	3	5
<b>37-0000</b>	<b>BUILDING AND GROUNDS CLEANING AND MAINTENANCE OCCUPATIONS</b>	<b>47,014</b>	<b>51,452</b>	<b>4,438</b>	<b>9.44%</b>	<b>2,767</b>	<b>3,621</b>	<b>444</b>	<b>6,832</b>			
<b>37-1000</b>	<b>Supervisors of Building and Grounds Cleaning and Maintenance Workers</b>	<b>5,419</b>	<b>6,040</b>	<b>621</b>	<b>11.46%</b>	<b>217</b>	<b>418</b>	<b>62</b>	<b>697</b>			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	2,416	2,678	262	10.84%	107	182	26	315	7	2	6
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	3,003	3,362	359	11.95%	110	237	36	383	7	2	6
<b>37-2000</b>	<b>Building Cleaning and Pest Control Workers</b>	<b>32,561</b>	<b>35,330</b>	<b>2,769</b>	<b>8.50%</b>	<b>2,159</b>	<b>2,356</b>	<b>277</b>	<b>4,792</b>			
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,854	20,726	1,872	9.93%	1,210	1,396	187	2,793	8	3	5
37-2012	Maids and Housekeeping Cleaners	12,309	13,065	756	6.14%	898	811	76	1,785	8	3	5
<b>37-3000</b>	<b>Grounds Maintenance Workers</b>	<b>9,034</b>	<b>10,082</b>	<b>1,048</b>	<b>11.60%</b>	<b>391</b>	<b>846</b>	<b>105</b>	<b>1,342</b>			
37-3011	Landscaping and Groundskeeping Workers	8,148	9,099	951	11.67%	353	764	95	1,212	8	3	5
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	414	452	38	9.18%	18	38	4	60	7	3	4
37-3013	Tree Trimmers and Pruners	335	378	43	12.84%	15	32	4	51	7	3	5
37-3019	Grounds Maintenance Workers, All Other	137	153	16	11.68%	6	13	2	21	8	3	5
<b>39-0000</b>	<b>PERSONAL CARE AND SERVICE OCCUPATIONS</b>	<b>48,999</b>	<b>58,641</b>	<b>9,642</b>	<b>19.68%</b>	<b>3,832</b>	<b>4,078</b>	<b>964</b>	<b>8,874</b>			
<b>39-1000</b>	<b>Supervisors of Personal Care and Service Workers</b>	<b>2,039</b>	<b>2,326</b>	<b>287</b>	<b>14.08%</b>	<b>88</b>	<b>128</b>	<b>29</b>	<b>245</b>			



# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
<b>39-2000</b>	<b>Animal Care and Service Workers</b>	<b>3,813</b>	<b>4,382</b>	<b>569</b>	<b>14.92%</b>	<b>272</b>	<b>376</b>	<b>57</b>	<b>705</b>			
39-2011	Animal Trainers	875	976	101	11.54%	52	83	10	145	7	3	4
39-2021	Nonfarm Animal Caretakers	2,938	3,406	468	15.93%	220	293	47	560	7	3	5
<b>39-3000</b>	<b>Entertainment Attendants and Related Workers</b>	<b>2,644</b>	<b>2,970</b>	<b>326</b>	<b>12.33%</b>	<b>307</b>	<b>334</b>	<b>33</b>	<b>674</b>			
39-3031	Ushers, Lobby Attendants, and Ticket Takers	686	726	40	5.83%	92	80	4	176	8	3	5
39-3091	Amusement and Recreation Attendants	1,709	1,839	130	7.61%	189	220	13	422	8	3	5
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	88	95	7	7.95%	10	11	1	22	7	3	5
<b>39-4000</b>	<b>Funeral Service Workers</b>	<b>929</b>	<b>942</b>	<b>13</b>	<b>1.40%</b>	<b>68</b>	<b>63</b>	<b>1</b>	<b>132</b>			
39-4011	Embalmers	143	140	-3	-2.10%	13	9	0	22	4	3	3
39-4021	Funeral Attendants	333	340	7	2.10%	32	22	1	55	7	3	5
39-4031	Morticians, Undertakers, and Funeral Directors	453	462	9	1.99%	23	31	1	55	4	3	3
<b>39-5000</b>	<b>Personal Appearance Workers</b>	<b>4,085</b>	<b>4,329</b>	<b>244</b>	<b>5.97%</b>	<b>249</b>	<b>264</b>	<b>24</b>	<b>537</b>			
39-5012	Hairdressers, Hairstylists, and Cosmetologists	3,155	3,332	177	5.61%	197	207	18	422	5	3	6
39-5092	Manicurists and Pedicurists	244	259	15	6.15%	14	15	2	31	5	3	6
39-5094	Skincare Specialists	305	328	23	7.54%	18	18	2	38	5	3	6
<b>39-6000</b>	<b>Baggage Porters, Bellhops, and Concierges</b>	<b>155</b>	<b>169</b>	<b>14</b>	<b>9.03%</b>	<b>8</b>	<b>15</b>	<b>1</b>	<b>24</b>			
<b>39-7000</b>	<b>Tour and Travel Guides</b>	<b>319</b>	<b>346</b>	<b>27</b>	<b>8.46%</b>	<b>26</b>	<b>33</b>	<b>3</b>	<b>62</b>			
39-7010	Tour and Travel Guides	319	346	27	8.46%	26	33	3	62	7	3	4
<b>39-9000</b>	<b>Other Personal Care and Service Workers</b>	<b>35,015</b>	<b>43,177</b>	<b>8,162</b>	<b>23.31%</b>	<b>2,814</b>	<b>2,865</b>	<b>816</b>	<b>6,495</b>			
39-9011	Childcare Workers	11,462	12,729	1,267	11.05%	894	910	127	1,931	7	3	5
39-9021	Personal Care Aides	18,712	25,047	6,335	33.86%	1,617	1,433	634	3,684	7	3	5
39-9031	Fitness Trainers and Aerobics Instructors	1,414	1,579	165	11.67%	89	159	16	264	7	3	5
39-9032	Recreation Workers	2,007	2,213	206	10.26%	126	225	21	372	7	3	5
39-9041	Residential Advisors	821	913	92	11.21%	48	84	9	141	7	3	5
39-9099	Personal Care and Service Workers, All Other	599	696	97	16.19%	40	54	10	104	7	3	5
<b>41-0000</b>	<b>SALES AND RELATED OCCUPATIONS</b>	<b>146,592</b>	<b>154,196</b>	<b>7,604</b>	<b>5.19%</b>	<b>8,023</b>	<b>12,460</b>	<b>760</b>	<b>21,243</b>			
<b>41-1000</b>	<b>Supervisors of Sales Workers</b>	<b>21,155</b>	<b>21,730</b>	<b>575</b>	<b>2.72%</b>	<b>732</b>	<b>1,564</b>	<b>58</b>	<b>2,354</b>			
41-1011	First-Line Supervisors of Retail Sales Workers	16,948	17,394	446	2.63%	593	1,294	45	1,932	7	2	6

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
41-1012	First-Line Supervisors of Non-Retail Sales Workers	4,207	4,336	129	3.07%	138	270	13	421	7	2	6
<b>41-2000</b>	<b>Retail Sales Workers</b>	<b>79,279</b>	<b>81,625</b>	<b>2,346</b>	<b>2.96%</b>	<b>5,535</b>	<b>7,386</b>	<b>235</b>	<b>13,156</b>			
41-2011	Cashiers	31,677	31,472	-205	-0.65%	2,818	3,138	-20	5,936	8	3	5
41-2031	Retail Salespersons	39,654	41,652	1,998	5.04%	2,336	3,602	200	6,138	8	3	5
<b>41-3000</b>	<b>Sales Representatives, Services</b>	<b>22,887</b>	<b>26,328</b>	<b>3,441</b>	<b>15.03%</b>	<b>853</b>	<b>1,718</b>	<b>344</b>	<b>2,915</b>			
41-3011	Advertising Sales Agents	1,069	1,054	-15	-1.40%	34	110	-2	142	7	3	4
41-3021	Insurance Sales Agents	15,695	18,622	2,927	18.65%	632	1,036	293	1,961	7	3	4
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,534	1,657	123	8.02%	41	110	12	163	3	3	4
41-3041	Travel Agents	188	155	-33	-17.55%	10	13	-3	20	7	3	4
41-3099	Sales Representatives, Services, All Other	4,401	4,840	439	9.98%	136	449	44	629	7	3	4
<b>41-4000</b>	<b>Sales Representatives, Wholesale and Manufacturing</b>	<b>16,029</b>	<b>17,104</b>	<b>1,075</b>	<b>6.71%</b>	<b>504</b>	<b>1,234</b>	<b>108</b>	<b>1,846</b>			
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	2,776	3,016	240	8.65%	88	216	24	328	3	3	4
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	13,253	14,088	835	6.30%	416	1,018	84	1,518	7	3	4
<b>41-9000</b>	<b>Other Sales and Related Workers</b>	<b>7,242</b>	<b>7,409</b>	<b>167</b>	<b>2.31%</b>	<b>399</b>	<b>559</b>	<b>17</b>	<b>975</b>			
41-9021	Real Estate Brokers	597	660	63	10.55%	28	31	6	65	7	2	6
41-9022	Real Estate Sales Agents	1,966	2,175	209	10.63%	94	103	21	218	7	3	4
41-9031	Sales Engineers	201	212	11	5.47%	5	18	1	24	3	3	4
41-9041	Telemarketers	2,380	2,125	-255	-10.71%	108	245	-26	327	8	3	5
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	304	288	-16	-5.26%	20	17	-2	35	8	3	5
<b>43-0000</b>	<b>OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS</b>	<b>180,742</b>	<b>184,668</b>	<b>3,926</b>	<b>2.17%</b>	<b>8,912</b>	<b>12,542</b>	<b>393</b>	<b>21,847</b>			
<b>43-1000</b>	<b>Supervisors of Office and Administrative Support Workers</b>	<b>15,264</b>	<b>15,765</b>	<b>501</b>	<b>3.28%</b>	<b>582</b>	<b>1,044</b>	<b>50</b>	<b>1,676</b>			
43-1011	First-Line Supervisors of Office and Administrative Support Workers	15,264	15,765	501	3.28%	582	1,044	50	1,676	7	2	6
<b>43-2000</b>	<b>Communications Equipment Operators</b>	<b>592</b>	<b>474</b>	<b>-118</b>	<b>-19.93%</b>	<b>30</b>	<b>36</b>	<b>-12</b>	<b>54</b>			
43-2011	Switchboard Operators, Including Answering Service	549	437	-112	-20.40%	28	33	-11	50	7	3	5

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
<b>43-3000</b>	<b>Financial Clerks</b>	<b>26,956</b>	<b>27,293</b>	<b>337</b>	<b>1.25%</b>	<b>1,418</b>	<b>1,712</b>	<b>34</b>	<b>3,164</b>			
43-3011	Bill and Account Collectors	1,574	1,560	-14	-0.89%	61	126	-1	186	7	3	4
43-3021	Billing and Posting Clerks	4,272	4,916	644	15.07%	189	310	64	563	7	3	4
43-3031	Bookkeeping, Accounting, and Auditing Clerks	13,457	13,607	150	1.11%	823	753	15	1,591	6	3	4
43-3051	Payroll and Timekeeping Clerks	1,086	1,102	16	1.47%	52	69	2	123	7	3	4
43-3061	Procurement Clerks	880	869	-11	-1.25%	30	61	-1	90	7	3	4
43-3071	Tellers	5,312	4,821	-491	-9.24%	248	362	-49	561	7	3	5
<b>43-4000</b>	<b>Information and Record Clerks</b>	<b>41,249</b>	<b>43,651</b>	<b>2,402</b>	<b>5.82%</b>	<b>2,122</b>	<b>3,345</b>	<b>240</b>	<b>5,707</b>			
43-4011	Brokerage Clerks	138	149	11	7.97%	7	8	1	16	7	3	4
43-4021	Correspondence Clerks	28	28	0	0.00%	1	2	0	3	7	3	5
43-4031	Court, Municipal, and License Clerks	1,060	1,193	133	12.55%	51	54	13	118	7	3	3
43-4041	Credit Authorizers, Checkers, and Clerks	87	85	-2	-2.30%	3	6	0	9	7	3	4
43-4051	Customer Service Representatives	16,532	17,127	595	3.60%	808	1,435	60	2,303	7	3	5
43-4061	Eligibility Interviewers, Government Programs	1,876	2,047	171	9.12%	76	111	17	204	7	3	4
43-4071	File Clerks	515	459	-56	-10.87%	28	32	-6	54	7	3	5
43-4081	Hotel, Motel, and Resort Desk Clerks	2,507	2,481	-26	-1.04%	137	286	-3	420	7	3	5
43-4111	Interviewers, Except Eligibility and Loan	2,055	2,161	106	5.16%	107	152	11	270	7	3	5
43-4121	Library Assistants, Clerical	537	535	-2	-0.37%	43	38	0	81	7	3	5
43-4131	Loan Interviewers and Clerks	2,339	2,663	324	13.85%	93	160	32	285	7	3	5
43-4141	New Accounts Clerks	479	461	-18	-3.76%	20	35	-2	53	7	3	4
43-4151	Order Clerks	684	679	-5	-0.73%	29	50	0	79	6	3	5
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	891	888	-3	-0.34%	32	68	0	100	4	3	6
43-4171	Receptionists and Information Clerks	10,030	11,108	1,078	10.75%	615	804	108	1,527	7	3	5
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	230	242	12	5.22%	10	17	1	28	7	3	5
43-4199	Information and Record Clerks, All Other	1,261	1,345	84	6.66%	63	88	8	159	7	3	5
<b>43-5000</b>	<b>Material Recording, Scheduling, Dispatching, and Distributing Workers</b>	<b>37,568</b>	<b>39,183</b>	<b>1,615</b>	<b>4.30%</b>	<b>1,669</b>	<b>2,698</b>	<b>162</b>	<b>4,529</b>			
43-5011	Cargo and Freight Agents	926	1,070	144	15.55%	36	59	14	109	7	3	5
43-5021	Couriers and Messengers	549	596	47	8.56%	23	32	5	60	7	3	5
43-5031	Police, Fire, and Ambulance Dispatchers	1,026	1,154	128	12.48%	38	65	13	116	7	3	4
43-5032	Dispatchers, Except Police, Fire, and Ambulance	1,794	1,895	101	5.63%	65	110	10	185	7	3	4

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
43-5041	Meter Readers, Utilities	741	675	-66	-8.91%	30	40	-7	63	7	3	5
43-5051	Postal Service Clerks	1,043	992	-51	-4.89%	42	35	-5	72	7	3	5
43-5052	Postal Service Mail Carriers	3,246	3,088	-158	-4.87%	116	120	-16	220	7	3	5
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	517	468	-49	-9.48%	23	18	-5	36	7	3	5
43-5061	Production, Planning, and Expediting Clerks	3,392	3,691	299	8.81%	117	252	30	399	7	3	4
43-5071	Shipping, Receiving, and Traffic Clerks	4,434	4,547	113	2.55%	150	296	11	457	7	3	5
43-5081	Stock Clerks and Order Fillers	18,917	19,904	987	5.22%	982	1,601	99	2,682	7	3	5
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	983	1,103	120	12.21%	48	71	12	131	7	3	5
<b>43-6000</b>	<b>Secretaries and Administrative Assistants</b>	<b>24,161</b>	<b>23,271</b>	<b>-890</b>	<b>-3.68%</b>	<b>1,216</b>	<b>1,439</b>	<b>-89</b>	<b>2,566</b>			
43-6011	Executive Secretaries and Executive Administrative Assistants	2,549	2,161	-388	-15.22%	121	143	-39	225	7	2	6
43-6012	Legal Secretaries	1,135	946	-189	-16.65%	53	63	-19	97	7	3	4
43-6013	Medical Secretaries	3,538	4,137	599	16.93%	197	233	60	490	7	3	4
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	16,939	16,027	-912	-5.38%	845	1,000	-91	1,754	7	3	5
<b>43-9000</b>	<b>Other Office and Administrative Support Workers</b>	<b>34,952</b>	<b>35,031</b>	<b>79</b>	<b>0.23%</b>	<b>1,875</b>	<b>2,268</b>	<b>8</b>	<b>4,151</b>			
43-9011	Computer Operators	306	244	-62	-20.26%	13	20	-6	27	7	3	4
43-9021	Data Entry Keyers	1,308	1,052	-256	-19.57%	53	83	-26	110	7	3	5
43-9022	Word Processors and Typists	185	138	-47	-25.41%	10	10	-5	15	7	3	5
43-9041	Insurance Claims and Policy Processing Clerks	1,404	1,588	184	13.11%	55	94	18	167	7	3	4
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	494	483	-11	-2.23%	24	31	-1	54	7	3	5
43-9061	Office Clerks, General	28,522	28,521	-1	0.00%	1,594	1,819	0	3,413	7	3	5
43-9071	Office Machine Operators, Except Computer	265	256	-9	-3.40%	16	18	-1	33	7	3	5
43-9081	Proofreaders and Copy Markers	29	30	1	3.45%	2	2	0	4	3	3	6
43-9111	Statistical Assistants	28	33	5	17.86%	1	2	0	3	3	3	6
43-9199	Office and Administrative Support Workers, All Other	2,391	2,667	276	11.54%	106	188	28	322	7	3	5
<b>45-0000</b>	<b>FARMING, FISHING, AND FORESTRY OCCUPATIONS</b>	<b>17,544</b>	<b>17,828</b>	<b>284</b>	<b>1.62%</b>	<b>699</b>	<b>2,132</b>	<b>28</b>	<b>2,859</b>			

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
<b>45-1000</b>	<b>Supervisors of Farming, Fishing, and Forestry Workers</b>	<b>952</b>	<b>955</b>	<b>3</b>	<b>0.32%</b>	<b>35</b>	<b>106</b>	<b>0</b>	<b>141</b>			
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	952	955	3	0.32%	35	106	0	141	7	2	6
<b>45-2000</b>	<b>Agricultural Workers</b>	<b>13,466</b>	<b>14,061</b>	<b>595</b>	<b>4.42%</b>	<b>548</b>	<b>1,662</b>	<b>60</b>	<b>2,270</b>			
45-2011	Agricultural Inspectors	437	459	22	5.03%	19	46	2	67	3	3	4
45-2041	Graders and Sorters, Agricultural Products	1,696	1,691	-5	-0.29%	68	180	0	248	8	3	5
45-2091	Agricultural Equipment Operators	1,080	1,215	135	12.50%	46	142	14	202	8	3	4
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	5,502	5,743	241	4.38%	223	695	24	942	8	3	5
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	4,030	4,143	113	2.80%	162	505	11	678	8	3	5
<b>45-4000</b>	<b>Forest, Conservation, and Logging Workers</b>	<b>3,126</b>	<b>2,812</b>	<b>-314</b>	<b>-10.04%</b>	<b>116</b>	<b>363</b>	<b>-31</b>	<b>448</b>			
45-4011	Forest and Conservation Workers	252	248	-4	-1.59%	9	35	0	44	7	3	4
45-4021	Fallers	130	102	-28	-21.54%	5	14	-3	16	7	3	4
45-4022	Logging Equipment Operators	1,769	1,583	-186	-10.51%	66	202	-19	249	7	3	4
45-4023	Log Graders and Scalers	274	259	-15	-5.47%	10	32	-2	40	7	3	4
45-4029	Logging Workers, All Other	701	620	-81	-11.55%	26	80	-8	98	7	3	4
<b>47-0000</b>	<b>CONSTRUCTION AND EXTRACTION OCCUPATIONS</b>	<b>52,141</b>	<b>57,820</b>	<b>5,679</b>	<b>10.89%</b>	<b>1,791</b>	<b>4,351</b>	<b>568</b>	<b>6,710</b>			
<b>47-1000</b>	<b>Supervisors of Construction and Extraction Workers</b>	<b>5,333</b>	<b>5,911</b>	<b>578</b>	<b>10.84%</b>	<b>168</b>	<b>417</b>	<b>58</b>	<b>643</b>			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	5,333	5,911	578	10.84%	168	417	58	643	7	1	6
<b>47-2000</b>	<b>Construction Trades Workers</b>	<b>37,568</b>	<b>41,756</b>	<b>4,188</b>	<b>11.15%</b>	<b>1,254</b>	<b>3,112</b>	<b>419</b>	<b>4,785</b>			
47-2011	Boilermakers	201	221	20	9.95%	6	16	2	24	7	3	1
47-2021	Brickmasons and Blockmasons	623	692	69	11.08%	19	47	7	73	7	3	1
47-2031	Carpenters	5,793	6,326	533	9.20%	190	438	53	681	7	3	1
47-2041	Carpet Installers	155	157	2	1.29%	4	11	0	15	8	3	5
47-2043	Floor Sanders and Finishers	226	252	26	11.50%	7	16	3	26	8	3	4
47-2044	Tile and Marble Setters	266	311	45	16.92%	8	20	4	32	8	3	3
47-2051	Cement Masons and Concrete Finishers	1,778	1,986	208	11.70%	55	142	21	218	8	3	4
47-2061	Construction Laborers	7,346	8,147	801	10.90%	259	602	80	941	8	3	5

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	1,082	1,222	140	12.94%	52	92	14	158	7	3	4
47-2073	Operating Engineers and Other Construction Equipment Operators	3,684	4,063	379	10.29%	132	315	38	485	7	3	4
47-2081	Drywall and Ceiling Tile Installers	374	376	2	0.53%	11	26	0	37	8	3	4
47-2111	Electricians	6,215	6,973	758	12.20%	203	562	76	841	7	3	1
47-2121	Glaziers	448	502	54	12.05%	16	39	5	60	7	3	1
47-2131	Insulation Workers, Floor, Ceiling, and Wall	300	306	6	2.00%	7	28	1	36	8	3	5
47-2132	Insulation Workers, Mechanical	127	142	15	11.81%	3	12	2	17	7	3	1
47-2141	Painters, Construction and Maintenance	1,816	1,948	132	7.27%	65	125	13	203	8	3	4
47-2152	Plumbers, Pipefitters, and Steamfitters	3,535	4,122	587	16.61%	112	313	59	484	7	3	1
47-2171	Reinforcing Iron and Rebar Workers	129	143	14	10.85%	3	13	1	17	7	3	1
47-2181	Roofers	894	1,011	117	13.09%	24	74	12	110	8	3	4
47-2211	Sheet Metal Workers	1,138	1,242	104	9.14%	35	94	10	139	7	3	1
47-2221	Structural Iron and Steel Workers	863	975	112	12.98%	26	83	11	120	7	3	1
<b>47-3000</b>	<b>Helpers, Construction Trades</b>	<b>2,136</b>	<b>2,373</b>	<b>237</b>	<b>11.10%</b>	<b>74</b>	<b>230</b>	<b>24</b>	<b>328</b>			
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	281	312	31	11.03%	10	30	3	43	8	3	5
47-3012	Helpers--Carpenters	296	333	37	12.50%	10	32	4	46	8	3	5
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	128	130	2	1.56%	4	13	0	17	8	3	5
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	498	576	78	15.66%	18	55	8	81	7	3	5
47-3019	Helpers, Construction Trades, All Other	447	494	47	10.51%	16	48	5	69	8	3	5
<b>47-4000</b>	<b>Other Construction and Related Workers</b>	<b>5,431</b>	<b>6,056</b>	<b>625</b>	<b>11.51%</b>	<b>243</b>	<b>416</b>	<b>62</b>	<b>721</b>			
47-4011	Construction and Building Inspectors	1,002	1,101	99	9.88%	58	72	10	140	7	1	4
47-4031	Fence Erectors	378	421	43	11.38%	16	31	4	51	8	3	4
47-4041	Hazardous Materials Removal Workers	178	214	36	20.22%	8	16	4	28	7	3	4
47-4051	Highway Maintenance Workers	3,390	3,780	390	11.50%	144	253	39	436	7	3	4
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	142	175	33	23.24%	5	13	3	21	7	3	4
47-4090	Miscellaneous Construction and Related Workers	191	207	16	8.38%	7	18	2	27	7	3	4
<b>47-5000</b>	<b>Extraction Workers</b>	<b>1,673</b>	<b>1,724</b>	<b>51</b>	<b>3.05%</b>	<b>53</b>	<b>176</b>	<b>5</b>	<b>234</b>			
47-5011	Derrick Operators, Oil and Gas	66	71	5	7.58%	2	8	0	10	8	3	5
47-5013	Service Unit Operators, Oil, Gas, and Mining	541	543	2	0.37%	15	61	0	76	8	3	4

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
47-5021	Earth Drillers, Except Oil and Gas	106	115	9	8.49%	4	11	1	16	7	3	4
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	181	186	5	2.76%	7	17	0	24	7	2	3
47-5051	Rock Splitters, Quarry	107	115	8	7.48%	4	11	1	16	8	3	5
47-5071	Roustabouts, Oil and Gas	361	369	8	2.22%	10	38	1	49	8	3	4
47-5081	Helpers--Extraction Workers	78	85	7	8.97%	3	8	1	12	7	3	4
<b>49-0000</b>	<b>INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS</b>	<b>60,700</b>	<b>65,810</b>	<b>5,110</b>	<b>8.42%</b>	<b>1,969</b>	<b>4,184</b>	<b>511</b>	<b>6,664</b>			
<b>49-1000</b>	<b>Supervisors of Installation, Maintenance, and Repair Workers</b>	<b>6,018</b>	<b>6,520</b>	<b>502</b>	<b>8.34%</b>	<b>196</b>	<b>379</b>	<b>50</b>	<b>625</b>			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	6,018	6,520	502	8.34%	196	379	50	625	7	2	6
<b>49-2000</b>	<b>Electrical and Electronic Equipment Mechanics, Installers, and Repairers</b>	<b>5,587</b>	<b>5,678</b>	<b>91</b>	<b>1.63%</b>	<b>146</b>	<b>449</b>	<b>9</b>	<b>604</b>			
49-2011	Computer, Automated Teller, and Office Machine Repairers	1,098	1,130	32	2.91%	31	87	3	121	6	3	5
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	25	27	2	8.00%	1	2	0	3	4	3	4
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1,840	1,688	-152	-8.26%	49	145	-15	179	5	3	4
49-2091	Avionics Technicians	50	54	4	8.00%	1	2	0	3	4	3	6
49-2092	Electric Motor, Power Tool, and Related Repairers	237	242	5	2.11%	9	16	0	25	7	2	4
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	266	297	31	11.65%	5	20	3	28	5	3	3
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	529	567	38	7.18%	10	38	4	52	5	3	3
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	519	537	18	3.47%	13	45	2	60	5	3	5
49-2098	Security and Fire Alarm Systems Installers	783	886	103	13.15%	24	76	10	110	7	3	4
<b>49-3000</b>	<b>Vehicle and Mobile Equipment Mechanics, Installers, and Repairers</b>	<b>17,809</b>	<b>18,942</b>	<b>1,133</b>	<b>6.36%</b>	<b>535</b>	<b>1,250</b>	<b>113</b>	<b>1,898</b>			
49-3011	Aircraft Mechanics and Service Technicians	670	727	57	8.51%	19	38	6	63	5	3	6
49-3021	Automotive Body and Related Repairers	1,586	1,734	148	9.33%	53	106	15	174	7	3	3
49-3023	Automotive Service Technicians and Mechanics	6,894	7,169	275	3.99%	191	494	28	713	5	3	5

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	3,667	3,989	322	8.78%	107	248	32	387	7	3	3
49-3041	Farm Equipment Mechanics and Service Technicians	960	1,043	83	8.65%	31	68	8	107	7	3	3
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1,276	1,351	75	5.88%	41	90	8	139	7	3	3
49-3043	Rail Car Repairers	284	309	25	8.80%	9	20	2	31	7	3	3
49-3051	Motorboat Mechanics and Service Technicians	198	220	22	11.11%	8	13	2	23	7	3	3
49-3052	Motorcycle Mechanics	234	263	29	12.39%	10	15	3	28	5	3	5
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	383	403	20	5.22%	16	24	2	42	7	3	4
49-3092	Recreational Vehicle Service Technicians	179	205	26	14.53%	6	15	3	24	7	3	3
49-3093	Tire Repairers and Changers	1,319	1,351	32	2.43%	40	107	3	150	7	3	5
<b>49-9000</b>	<b>Other Installation, Maintenance, and Repair Occupations</b>	<b>31,286</b>	<b>34,670</b>	<b>3,384</b>	<b>10.82%</b>	<b>1,091</b>	<b>2,107</b>	<b>338</b>	<b>3,536</b>			
49-9011	Mechanical Door Repairers	453	506	53	11.70%	12	29	5	46	7	3	4
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	446	449	3	0.67%	11	27	0	38	7	3	4
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	3,055	3,555	500	16.37%	90	233	50	373	5	3	3
49-9031	Home Appliance Repairers	200	190	-10	-5.00%	9	12	-1	20	7	3	4
49-9041	Industrial Machinery Mechanics	6,118	6,993	875	14.30%	206	395	88	689	7	3	3
49-9043	Maintenance Workers, Machinery	1,101	1,246	145	13.17%	44	62	14	120	7	3	3
49-9044	Millwrights	428	466	38	8.88%	12	26	4	42	7	3	1
49-9051	Electrical Power-Line Installers and Repairers	2,162	2,407	245	11.33%	55	137	24	216	7	3	3
49-9052	Telecommunications Line Installers and Repairers	1,385	1,457	72	5.20%	33	125	7	165	7	3	3
49-9062	Medical Equipment Repairers	441	483	42	9.52%	20	29	4	53	4	3	4
49-9069	Precision Instrument and Equipment Repairers, All Other	178	190	12	6.74%	8	11	1	20	7	3	3
49-9071	Maintenance and Repair Workers, General	12,102	13,234	1,132	9.35%	444	784	113	1,341	7	3	4
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	273	261	-12	-4.40%	11	20	-1	30	7	3	5
49-9094	Locksmiths and Safe Repairers	218	209	-9	-4.13%	10	13	-1	22	7	3	3
49-9096	Riggers	201	243	42	20.90%	5	17	4	26	7	3	4
49-9098	Helpers--Installation, Maintenance, and Repair Workers	1,092	1,231	139	12.73%	62	86	14	162	7	3	5



# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
49-9099	Installation, Maintenance, and Repair Workers, All Other	1,288	1,402	114	8.85%	53	92	11	156	7	3	4
<b>51-0000</b>	<b>PRODUCTION OCCUPATIONS</b>	<b>121,842</b>	<b>125,536</b>	<b>3,694</b>	<b>3.03%</b>	<b>4,897</b>	<b>9,671</b>	<b>369</b>	<b>14,937</b>			
<b>51-1000</b>	<b>Supervisors of Production Workers</b>	<b>8,968</b>	<b>9,567</b>	<b>599</b>	<b>6.68%</b>	<b>294</b>	<b>653</b>	<b>60</b>	<b>1,007</b>			
51-1011	First-Line Supervisors of Production and Operating Workers	8,968	9,567	599	6.68%	294	653	60	1,007	7	2	6
<b>51-2000</b>	<b>Assemblers and Fabricators</b>	<b>17,151</b>	<b>15,809</b>	<b>-1,342</b>	<b>-7.82%</b>	<b>657</b>	<b>1,239</b>	<b>-134</b>	<b>1,762</b>			
51-2021	Coil Winders, Tapers, and Finishers	369	275	-94	-25.47%	14	23	-9	28	7	3	4
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	1,824	1,803	-21	-1.15%	78	128	-2	204	7	3	4
51-2041	Structural Metal Fabricators and Fitters	1,037	949	-88	-8.49%	24	80	-9	95	7	3	4
51-2091	Fiberglass Laminators and Fabricators	518	619	101	19.50%	23	43	10	76	7	3	4
51-2098	Assemblers and Fabricators, All Other, Including Team Assemblers	13,077	11,896	-1,181	-9.03%	511	943	-118	1,336	7	3	4
<b>51-3000</b>	<b>Food Processing Workers</b>	<b>19,668</b>	<b>20,833</b>	<b>1,165</b>	<b>5.92%</b>	<b>898</b>	<b>1,613</b>	<b>116</b>	<b>2,627</b>			
51-3011	Bakers	1,057	1,183	126	11.92%	65	88	13	166	8	3	3
51-3021	Butchers and Meat Cutters	898	920	22	2.45%	37	75	2	114	8	3	3
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	7,518	7,938	420	5.59%	317	639	42	998	8	3	5
51-3023	Slaughterers and Meat Packers	1,669	1,760	91	5.45%	70	142	9	221	8	3	5
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	81	88	7	8.64%	5	7	1	13	8	3	4
51-3092	Food Batchmakers	2,139	2,245	106	4.96%	132	193	11	336	7	3	4
51-3093	Food Cooking Machine Operators and Tenders	943	1,049	106	11.24%	64	92	11	167	7	3	4
51-3099	Food Processing Workers, All Other	5,363	5,650	287	5.35%	208	378	29	615	8	3	4
<b>51-4000</b>	<b>Metal Workers and Plastic Workers</b>	<b>20,926</b>	<b>22,082</b>	<b>1,156</b>	<b>5.52%</b>	<b>675</b>	<b>1,662</b>	<b>116</b>	<b>2,453</b>			
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	1,008	991	-17	-1.69%	29	74	-2	101	7	3	4
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	97	118	21	21.65%	3	8	2	13	5	3	4
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	1,360	1,416	56	4.12%	39	134	6	179	7	3	4
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	555	572	17	3.06%	15	38	2	55	7	3	4

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	2,136	2,111	-25	-1.17%	80	157	-2	235	7	3	4
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	43	33	-10	-23.26%	1	3	-1	3	7	3	4
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	773	715	-58	-7.50%	31	53	-6	78	7	3	4
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	454	441	-13	-2.86%	21	29	-1	49	7	3	4
51-4041	Machinists	2,853	3,090	237	8.31%	99	203	24	326	7	3	3
51-4051	Metal-Refining Furnace Operators and Tenders	341	395	54	15.84%	13	30	5	48	7	3	4
51-4052	Pourers and Casters, Metal	79	93	14	17.72%	3	7	1	11	7	3	4
51-4071	Foundry Mold and Coremakers	90	77	-13	-14.44%	2	7	-1	8	7	3	4
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,798	1,787	-11	-0.61%	55	141	-1	195	7	3	4
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,294	1,427	133	10.28%	47	95	13	155	7	3	4
51-4111	Tool and Die Makers	559	564	5	0.89%	21	35	0	56	5	3	3
51-4121	Welders, Cutters, Solderers, and Brazers	5,845	6,627	782	13.38%	160	524	78	762	7	3	4
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	664	656	-8	-1.20%	17	55	-1	71	7	3	4
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	485	490	5	1.03%	17	34	0	51	7	3	4
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	119	114	-5	-4.20%	4	9	0	13	7	3	4
51-4194	Tool Grinders, Filers, and Sharpeners	157	162	5	3.18%	11	12	0	23	7	3	4
<b>51-5100</b>	<b>Printing Workers</b>	<b>2,444</b>	<b>2,285</b>	<b>-159</b>	<b>-6.51%</b>	<b>95</b>	<b>168</b>	<b>-16</b>	<b>247</b>			
51-5111	Prepress Technicians and Workers	182	156	-26	-14.29%	6	14	-3	17	5	3	6
51-5112	Printing Press Operators	2,053	1,933	-120	-5.85%	76	139	-12	203	7	3	4
51-5113	Print Binding and Finishing Workers	209	196	-13	-6.22%	14	15	-1	28	7	3	4
<b>51-6000</b>	<b>Textile, Apparel, and Furnishings Workers</b>	<b>5,171</b>	<b>5,386</b>	<b>215</b>	<b>4.16%</b>	<b>308</b>	<b>348</b>	<b>22</b>	<b>678</b>			
51-6011	Laundry and Dry-Cleaning Workers	2,102	2,219	117	5.57%	134	154	12	300	8	3	5
51-6021	Pressers, Textile, Garment, and Related Materials	268	218	-50	-18.66%	13	15	-5	23	8	3	5
51-6031	Sewing Machine Operators	1,027	1,241	214	20.84%	66	61	21	148	8	3	5

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
51-6052	Tailors, Dressmakers, and Custom Sewers	97	105	8	8.25%	8	5	1	14	8	3	4
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	35	38	3	8.57%	2	2	0	4	7	3	4
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	111	151	40	36.04%	7	10	4	21	7	3	4
51-6093	Upholsterers	376	371	-5	-1.33%	16	23	0	39	7	3	4
51-6099	Textile, Apparel, and Furnishings Workers, All Other	45	46	1	2.22%	3	4	0	7	7	3	5
<b>51-7000</b>	<b>Woodworkers</b>	<b>4,174</b>	<b>4,154</b>	<b>-20</b>	<b>-0.48%</b>	<b>170</b>	<b>322</b>	<b>-2</b>	<b>490</b>			
51-7011	Cabinetmakers and Bench Carpenters	1,446	1,436	-10	-0.69%	60	89	-1	148	7	3	4
51-7021	Furniture Finishers	102	98	-4	-3.92%	5	6	0	11	7	3	5
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	1,453	1,447	-6	-0.41%	42	126	-1	167	7	3	4
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1,166	1,166	0	0.00%	63	100	0	163	7	3	4
<b>51-8000</b>	<b>Plant and System Operators</b>	<b>4,735</b>	<b>4,788</b>	<b>53</b>	<b>1.12%</b>	<b>135</b>	<b>324</b>	<b>5</b>	<b>464</b>			
51-8012	Power Distributors and Dispatchers	298	308	10	3.36%	6	22	1	29	7	3	3
51-8013	Power Plant Operators	228	226	-2	-0.88%	5	16	0	21	7	3	3
51-8021	Stationary Engineers and Boiler Operators	638	622	-16	-2.51%	20	46	-2	64	7	3	3
51-8031	Water and Wastewater Treatment Plant and System Operators	2,661	2,740	79	2.97%	82	162	8	252	7	3	3
51-8091	Chemical Plant and System Operators	217	218	1	0.46%	5	19	0	24	7	3	4
51-8092	Gas Plant Operators	180	168	-12	-6.67%	4	15	-1	18	7	3	3
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	335	342	7	2.09%	8	30	1	39	7	3	4
<b>51-9000</b>	<b>Other Production Occupations</b>	<b>38,605</b>	<b>40,632</b>	<b>2,027</b>	<b>5.25%</b>	<b>1,664</b>	<b>3,342</b>	<b>203</b>	<b>5,209</b>			
51-9011	Chemical Equipment Operators and Tenders	1,194	1,250	56	4.69%	31	109	6	146	7	3	4
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	471	488	17	3.61%	12	43	2	57	7	3	4
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	442	448	6	1.36%	14	38	1	53	7	3	4
51-9022	Grinding and Polishing Workers, Hand	555	508	-47	-8.47%	16	46	-5	57	8	3	4
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	1,845	1,908	63	3.41%	57	162	6	225	7	3	4
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	926	966	40	4.32%	39	77	4	120	7	3	4

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	1,207	1,214	7	0.58%	47	84	1	132	7	3	4
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	472	502	30	6.36%	22	30	3	55	7	3	4
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	6,867	5,886	-981	-14.29%	253	533	-98	688	7	3	4
51-9071	Jewelers and Precious Stone and Metal Workers	317	325	8	2.52%	19	21	1	41	7	3	3
51-9081	Dental Laboratory Technicians	385	433	48	12.47%	18	32	5	55	7	3	4
51-9082	Medical Appliance Technicians	102	121	19	18.63%	5	9	2	16	7	3	4
51-9083	Ophthalmic Laboratory Technicians	197	232	35	17.77%	10	17	4	31	7	3	4
51-9111	Packaging and Filling Machine Operators and Tenders	3,660	3,863	203	5.55%	166	271	20	457	7	3	4
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1,020	1,071	51	5.00%	31	82	5	118	7	3	4
51-9122	Painters, Transportation Equipment	632	713	81	12.82%	20	53	8	81	7	3	4
51-9123	Painting, Coating, and Decorating Workers	107	109	2	1.87%	3	8	0	11	8	3	4
51-9191	Adhesive Bonding Machine Operators and Tenders	369	364	-5	-1.36%	12	36	0	48	7	3	4
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	252	277	25	9.92%	17	24	2	43	7	3	4
51-9193	Cooling and Freezing Equipment Operators and Tenders	526	561	35	6.65%	20	43	4	67	7	3	4
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	367	376	9	2.45%	15	26	1	42	7	3	3
51-9196	Paper Goods Machine Setters, Operators, and Tenders	2,146	2,064	-82	-3.82%	65	163	-8	220	7	3	4
51-9198	Helpers--Production Workers	10,955	13,157	2,202	20.10%	641	1,136	220	1,997	7	3	5
51-9199	Production Workers, All Other	2,466	2,628	162	6.57%	95	200	16	311	7	3	4
<b>53-0000</b>	<b>TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS</b>	<b>112,100</b>	<b>120,531</b>	<b>8,431</b>	<b>7.52%</b>	<b>5,206</b>	<b>9,069</b>	<b>843</b>	<b>15,118</b>			
<b>53-1000</b>	<b>Supervisors of Transportation and Material Moving Workers</b>	<b>4,061</b>	<b>4,438</b>	<b>377</b>	<b>9.28%</b>	<b>135</b>	<b>319</b>	<b>38</b>	<b>492</b>			
<b>53-2000</b>	<b>Air Transportation Workers</b>	<b>697</b>	<b>740</b>	<b>43</b>	<b>6.17%</b>	<b>20</b>	<b>53</b>	<b>4</b>	<b>77</b>			
53-2012	Commercial Pilots	519	555	36	6.94%	15	40	4	59	7	3	4
53-2021	Air Traffic Controllers	111	115	4	3.60%	3	8	0	11	4	3	3

# 2018-2028 Statewide Occupational Projections

Standard Occupational Classification (SOC)		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2018 Estimated Employment	2028 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
<b>53-3000</b>	<b>Motor Vehicle Operators</b>	<b>59,014</b>	<b>63,649</b>	<b>4,635</b>	<b>7.85%</b>	<b>2,828</b>	<b>4,220</b>	<b>464</b>	<b>7,512</b>			
53-3021	Bus Drivers, Transit and Intercity	515	522	7	1.36%	40	25	1	66	7	3	4
53-3022	Bus Drivers, School or Special Client	5,938	6,391	453	7.63%	478	300	45	823	7	3	5
53-3031	Driver/Sales Workers	3,288	3,282	-6	-0.18%	135	238	-1	372	7	3	5
53-3032	Heavy and Tractor-Trailer Truck Drivers	37,773	40,280	2,507	6.64%	1,607	2,831	251	4,689	5	3	5
53-3033	Light Truck or Delivery Services Drivers	7,957	8,626	669	8.41%	341	601	67	1,009	7	3	5
53-3041	Taxi Drivers and Chauffeurs	3,314	4,295	981	29.60%	204	208	98	510	8	3	5
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	98	127	29	29.59%	3	7	3	13	7	3	4
53-4021	Railroad Brake, Signal, and Switch Operators	101	121	20	19.80%	2	8	2	12	7	3	4
53-5011	Sailors and Marine Oilers	95	87	-8	-8.42%	3	9	-1	11	8	3	4
<b>53-6000</b>	<b>Other Transportation Workers</b>	<b>2,584</b>	<b>2,779</b>	<b>195</b>	<b>7.55%</b>	<b>124</b>	<b>250</b>	<b>20</b>	<b>394</b>			
53-6011	Bridge and Lock Tenders	60	61	1	1.67%	2	4	0	6	7	3	5
53-6021	Parking Lot Attendants	442	464	22	4.98%	23	46	2	71	8	3	5
53-6031	Automotive and Watercraft Service Attendants	1,496	1,616	120	8.02%	69	161	12	242	8	3	5
53-6051	Transportation Inspectors	296	293	-3	-1.01%	9	21	0	30	7	3	4
53-6061	Transportation Attendants, Except Flight Attendants	196	239	43	21.94%	17	12	4	33	7	3	5
<b>53-7000</b>	<b>Material Moving Workers</b>	<b>44,492</b>	<b>47,727</b>	<b>3,235</b>	<b>7.27%</b>	<b>2,068</b>	<b>4,138</b>	<b>324</b>	<b>6,530</b>			
53-7011	Conveyor Operators and Tenders	351	355	4	1.14%	12	30	0	42	8	3	5
53-7021	Crane and Tower Operators	519	594	75	14.45%	18	47	8	73	7	2	4
53-7032	Excavating and Loading Machine and Dragline Operators	431	471	40	9.28%	16	37	4	57	7	2	4
53-7051	Industrial Truck and Tractor Operators	7,535	8,007	472	6.26%	233	641	47	921	8	3	5
53-7061	Cleaners of Vehicles and Equipment	4,781	5,163	382	7.99%	248	476	38	762	8	3	5
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,936	23,733	1,797	8.19%	1,031	2,140	180	3,351	8	3	5
53-7063	Machine Feeders and Offbearers	2,142	2,226	84	3.92%	110	179	8	297	8	3	5
53-7064	Packers and Packagers, Hand	4,688	4,756	68	1.45%	282	398	7	687	8	3	5
53-7073	Wellhead Pumpers	65	63	-2	-3.08%	2	6	0	8	7	2	4
53-7081	Refuse and Recyclable Material Collectors	1,776	2,056	280	15.77%	104	160	28	292	8	3	5
53-7121	Tank Car, Truck, and Ship Loaders	42	45	3	7.14%	2	3	0	5	8	3	5
53-7199	Material Moving Workers, All Other	118	125	7	5.93%	6	10	1	17	8	3	5

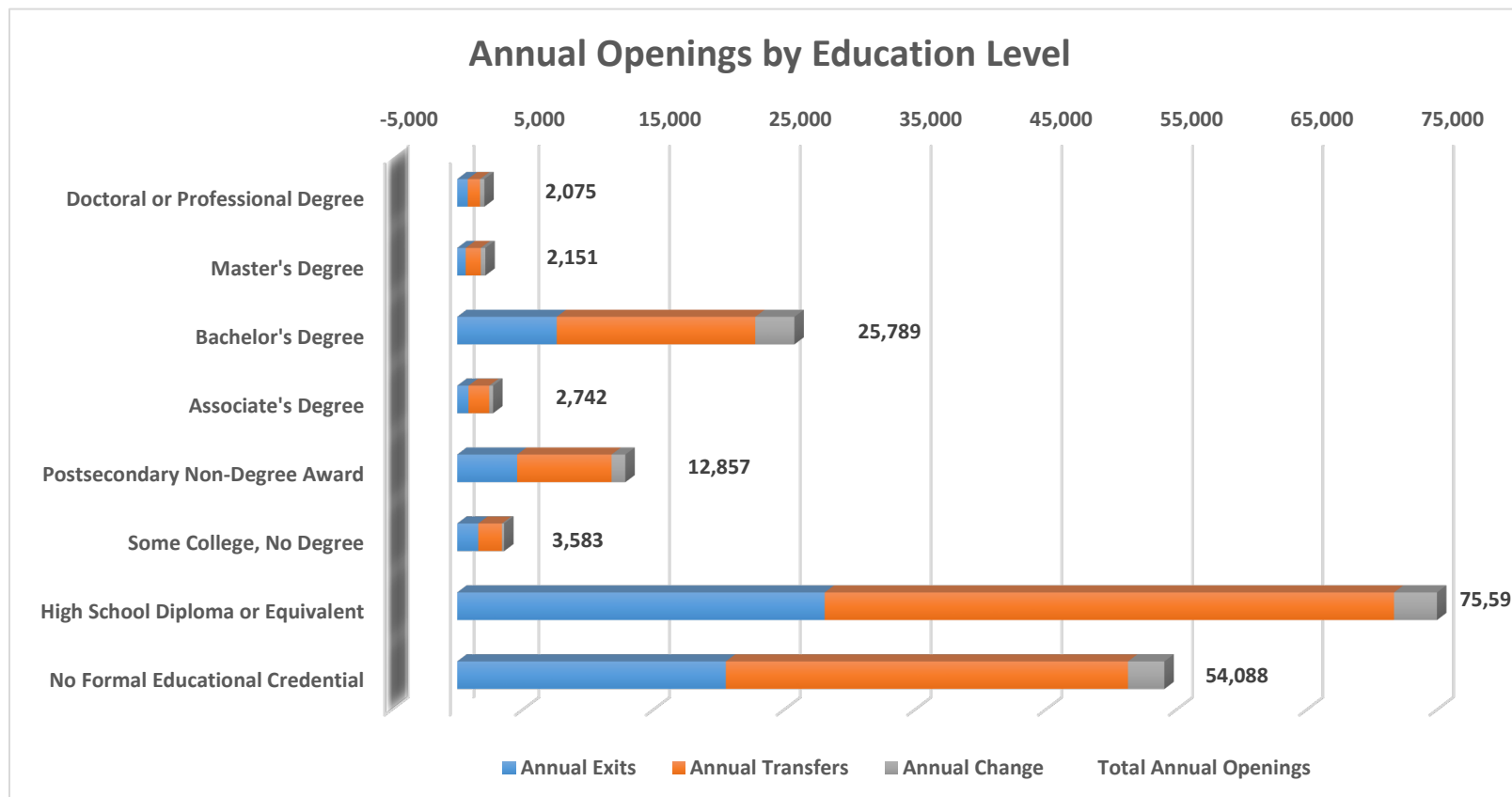
## Education Outlook

Occupations requiring a Bachelor’s degree are likely to add 29,956 jobs during the projection period, but occupations that require a High School Diploma or Equivalent will have more annual job openings and more gain than any other education level, with 75,591 jobs expected each year and 38,803 new jobs between 2018 and 2028. Jobs requiring a Postsecondary Non-Degree Award are estimated to add 10,520 jobs to the workforce. Job seekers with at least an Associate’s degree could see 32,757 annual job openings when they are ready to enter the workforce.

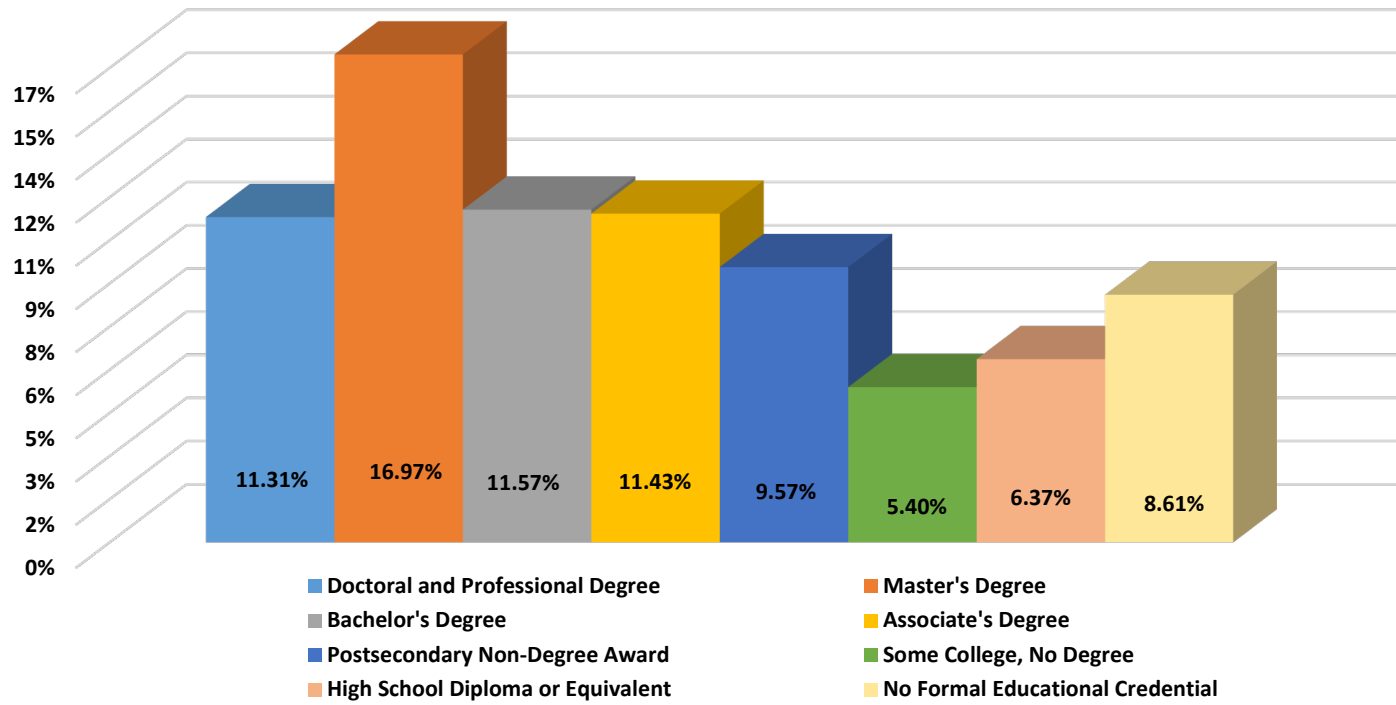
Jobs requiring a Master’s degree could see the largest percent change, with a 16.97 percent gain in employment over the 10-year period. Every educational category is forecasted to see net gains in jobs.

### Occupational Projections by Education/Training Level

Education	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings
Doctoral or Professional Degree	29,738	33,100	3,362	11.31%	805	937	333	2,075
Master's Degree	21,010	24,575	3,565	16.97%	650	1,147	354	2,151
Bachelor's Degree	258,855	288,811	29,956	11.57%	7,609	15,184	2,996	25,789
Associate's Degree	25,799	28,749	2,950	11.43%	861	1,584	297	2,742
Postsecondary Non-Degree Award	109,948	120,468	10,520	9.57%	4,583	7,220	1,054	12,857
Some College, No Degree	31,044	32,719	1,675	5.40%	1,608	1,807	168	3,583
High School Diploma or Equivalent	608,848	647,651	38,803	6.37%	28,106	43,600	3,885	75,591
No Formal Educational Credential	323,505	351,355	27,850	8.61%	20,546	30,758	2,784	54,088



### Percent Growth by Educational Level





## Top 10 Occupations by Educational Level

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

SOC Code	SOC Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change	Annual Openings-Exits	Annual Openings-Transfers	Annual Openings-Change	Annual Openings-Total
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,419	45,927	7,508	19.54%	3,362	4,147	751	8,260
41-2031	Retail Salespersons	39,654	41,652	1,998	5.04%	2,336	3,602	200	6,138
41-2011	Cashiers	31,677	31,472	-205	-0.65%	2,818	3,138	-20	5,936
11-9013	Farmers, Ranchers, and Other Agricultural Managers	53,965	53,924	-41	-0.08%	3,354	2,005	-4	5,355
35-3031	Waiters and Waitresses	18,758	20,342	1,584	8.44%	1,357	2,396	158	3,911
39-9021	Personal Care Aides	18,712	25,047	6,335	33.86%	1,617	1,433	634	3,684
43-9061	Office Clerks, General	28,522	28,521	-1	0.00%	1,594	1,819	0	3,413
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,936	23,733	1,797	8.19%	1,031	2,140	180	3,351
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,854	20,726	1,872	9.93%	1,210	1,396	187	2,793
43-5081	Stock Clerks and Order Fillers	18,917	19,904	987	5.22%	982	1,601	99	2,682

### Top 10 Occupations/Associate's Degree/Postsecondary Training (Based on Number of Annual Openings)

SOC Code	SOC Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change	Annual Openings-Exits	Annual Openings-Transfers	Annual Openings-Change	Annual Openings-Total
53-3032	Heavy and Tractor-Trailer Truck Drivers	37,773	40,280	2,507	6.64%	1,607	2,831	251	4,689
31-1014	Nursing Assistants	18,811	21,228	2,417	12.85%	1,076	1,167	242	2,485
43-3031	Bookkeeping, Accounting, and Auditing Clerks	13,457	13,607	150	1.11%	823	753	15	1,591
25-9041	Teacher Assistants	11,610	12,590	980	8.44%	642	633	98	1,373
29-2061	Licensed Practical and Licensed Vocational Nurses	12,405	13,738	1,333	10.75%	444	552	133	1,129
49-3023	Automotive Service Technicians and Mechanics	6,894	7,169	275	3.99%	191	494	28	713
31-9092	Medical Assistants	3,807	4,785	978	25.69%	168	306	98	572
25-2011	Preschool Teachers, Except Special Education	3,539	4,036	497	14.04%	150	230	50	430
39-5012	Hairdressers, Hairstylists, and Cosmetologists	3,155	3,332	177	5.61%	197	207	18	422
15-1151	Computer User Support Specialists	4,129	4,649	520	12.59%	81	279	52	412

## Top 10 Occupations/Bachelor's Degree or Higher (Based on Number of Annual Openings)

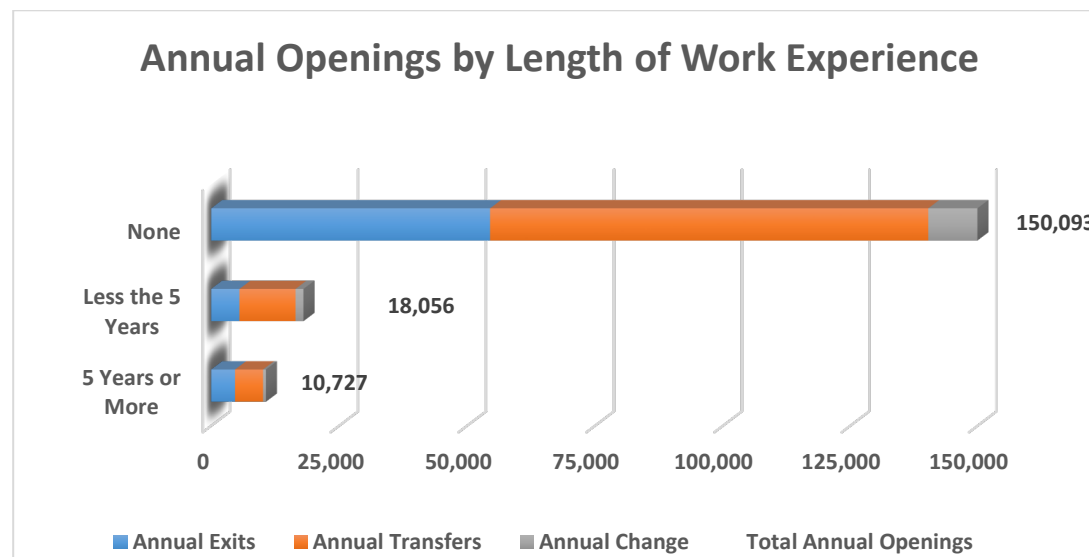
SOC Code	SOC Title	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change	Annual Openings-Exits	Annual Openings-Transfers	Annual Openings-Change	Annual Openings-Total
11-1021	General and Operations Managers	20,949	23,172	2,223	10.61%	463	1,453	222	2,138
29-1141	Registered Nurses	26,274	29,824	3,550	13.51%	778	720	355	1,853
21-2011	Clergy	12,129	13,915	1,786	14.73%	570	840	179	1,589
13-2011	Accountants and Auditors	8,786	9,895	1,109	12.62%	264	607	111	982
25-2021	Elementary School Teachers, Except Special Education	11,943	12,664	721	6.04%	383	525	72	980
13-1111	Management Analysts	6,860	8,323	1,463	21.33%	236	480	146	862
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	10,883	11,550	667	6.13%	312	474	67	853
13-1199	Business Operations Specialists, All Other	6,957	7,843	886	12.74%	201	509	89	799
11-9199	Managers, All Other	8,509	9,444	935	10.99%	227	453	94	774
13-1161	Market Research Analysts and Marketing Specialists	4,963	6,283	1,320	26.60%	132	442	132	706
11-9111	Medical and Health Services Managers	5,249	6,265	1,016	19.36%	141	315	102	558
11-3031	Financial Managers	4,755	5,792	1,037	21.81%	114	292	104	510

## Work Experience Outlook

Work Experience	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings
Five Years or More	106,895	112,674	5,779	5.41%	4,692	5,459	576	10,727
Less than Five Years	150,326	165,822	15,496	10.31%	5,550	10,955	1,551	18,056
None	1,151,526	1,248,932	97,406	8.46%	54,526	85,823	9,744	150,093

## 2018-2028 Occupational Projections by Work Experience

Many occupations require experience beyond formal educational training, but most do not. Occupations requiring no experience beyond formal education are projected to add the most jobs, with an expected 97,406 jobs added over the 10-year period. These occupations are also expected to see 150,093 total annual job openings over the projection period. For occupations requiring less than 5 years of experience, 15,496 new jobs are expected over the projections period, with 18,056 total annual openings expected. Occupations with 5 years or more of experience needed should see a net growth of 5,779 jobs over the projection period, with 10,727 annual openings over the 10-year period.

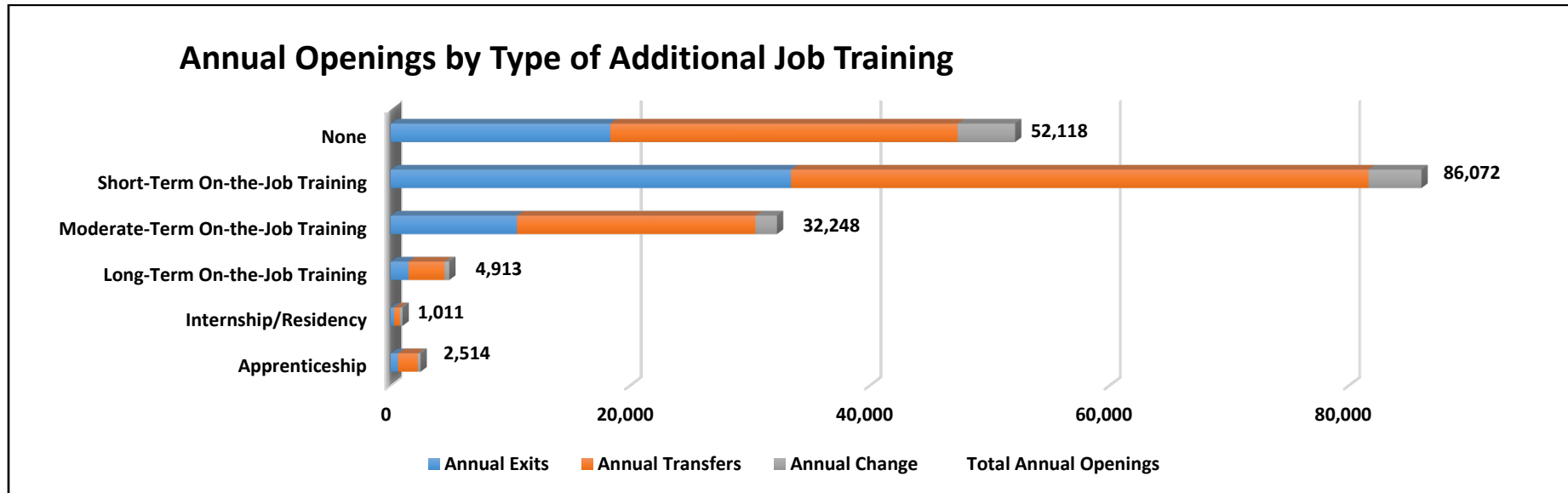


## On-the-Job Training Outlook

Job Training	2018 Estimated Employment	2028 Projected Employment	Numeric Change	Percent Change	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings
Apprenticeship	19,627	21,942	2,315	11.79%	630	1,653	231	2,514
Internship/Residency	13,010	15,245	2,235	17.18%	304	483	224	1,011
Long-Term On-the-Job Training	45,177	49,215	4,038	8.94%	1,512	2,998	403	4,913
Moderate-Term On-the-Job Training	271,398	289,268	17,870	6.58%	10,561	19,894	1,793	32,248
Short-Term On-the-Job Training	559,579	603,813	44,234	7.90%	33,413	48,235	4,424	86,072
None	499,956	547,945	47,989	9.60%	18,348	28,974	4,796	52,118

Even with a formal education, many occupations require specialized, on-the-job training before a person is fully viable in an occupation. All of the on-the-job training categories should see positive growth.

Internship/residency will see the largest percent growth of 17.18 percent and should have 1,011 total annual openings. Occupations requiring no additional training will see the largest net growth, with 47,989 expected jobs over the projection period, and those requiring short-term on-the-job training could have 86,072 annual job openings.



## Top 15 Content Skills

Skills	Total 10-Year Demand	Definition
Active Listening	1,557,477	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.
Critical Thinking	1,531,852	Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
Speaking	1,497,558	Talking to others to convey information effectively.
Monitoring	1,342,368	Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
Reading Comprehension	1,259,336	Understanding written sentences and paragraphs in work related documents.
Coordination	1,190,905	Adjusting actions in relation to others' actions.
Social Perceptiveness	1,097,241	Being aware of others' reactions and understanding why they react as they do.
Service Orientation	880,442	Actively looking for ways to help people.
Time Management	772,660	Managing one's own time and the time of others.
Judgment and Decision Making	677,660	Considering the relative costs and benefits of potential actions to choose the most appropriate one.
Writing	619,735	Communicating effectively in writing as appropriate for the needs of the audience.
Active Learning	414,116	Understanding the implications of new information for both current and future problem-solving and decision-making.
Operation Monitoring	333,706	Watching gauges, dials, or other indicators to make sure a machine is working properly.
Operation and Control	315,770	Controlling operations of equipment or systems.
Persuasion	301,928	Persuading others to change their minds or behavior.

## Top 15 Knowledge Domains

Knowledges	Total 10-Year Demand	Definition
English Language	1,538,444	Knowledge of the structure and content of the English language, including the meaning and spelling of words, rules of composition, and grammar.
Customer and Personal Service	1,497,586	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.
Mathematics	1,155,290	Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.
Education and Training	1,140,320	Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects.
Administration and Management	926,787	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.
Computers and Electronics	775,590	Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.
Clerical	627,376	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.
Public Safety and Security	567,235	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.
Sales and Marketing	497,224	Knowledge of principles and methods for showing, promoting, and selling products or services. This includes marketing strategy and tactics, product demonstration, sales techniques, and sales control systems.
Mechanical	490,839	Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
Production and Processing	433,326	Knowledge of raw materials, production processes, quality control, costs, and other techniques for maximizing the effective manufacture and distribution of goods.
Psychology	422,171	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.
Food Production	248,438	Knowledge of techniques and equipment for planting, growing, and harvesting food products (both plant and animal) for consumption, including storage/handling techniques.
Personnel and Human Resources	212,139	Knowledge of principles and procedures for personnel recruitment, selection, training, compensation and benefits, labor relations and negotiation, and personnel information systems.
Transportation	197,551	Knowledge of principles and methods for moving people or goods by air, rail, sea, or road, including the relative costs and benefits.

## Top 15 Generalized Work Activities

Generalized Work Activities	Total 10-year Demand	Definition
Communicating with Supervisors, Peers, or Subordinates	1,454,138	Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
Establishing and Maintaining Interpersonal Relationships	1,439,922	Developing constructive and cooperative working relationships with others and maintaining them over time.
Getting Information	1,378,220	Observing, receiving, and otherwise obtaining information from all relevant sources.
Organizing, Planning, and Prioritizing Work	1,225,856	Developing specific goals and plans to prioritize, organize, and accomplish your work.
Handling and Moving Objects	1,042,482	Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
Identifying Objects, Actions, and Events	852,425	Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
Making Decisions and Solving Problems	805,050	Analyzing information and evaluating results to choose the best solution and solve problems.
Updating and Using Relevant Knowledge	765,258	Keeping up-to-date technically and applying new knowledge to your job.
Monitor Processes, Materials, or Surroundings	726,119	Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
Performing General Physical Activities	681,401	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.
Performing for or Working Directly with the Public	607,915	Performing for people or dealing directly with the public. This includes serving customers in restaurants and stores and receiving clients or guests.
Communicating with Persons Outside Organization	430,132	Communicating with people outside the organization, representing the organization to customers, the public, government, and other external sources. This information can be exchanged in person, in writing, or by telephone or e-mail.
Resolving Conflicts and Negotiating with Others	406,425	Handling complaints, settling disputes, and resolving grievances and conflicts, or otherwise negotiating with others.
Processing Information	401,526	Compiling, coding, categorizing, calculating, tabulating, auditing, or verifying information or data.
Controlling Machines and Processes	387,249	Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).

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.

Job 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 years or more
2	Less than 5 years
3	None



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