

ARKANSAS-STATEWIDE

Short-Term Industry and Occupational Projections



ARKANSAS SHORT-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2019-2021



Arkansas Division of
Workforce Services

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State of Arkansas

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ARKANSAS SHORT-TERM INDUSTRY AND OCCUPATIONAL PROJECTIONS 2019-2021

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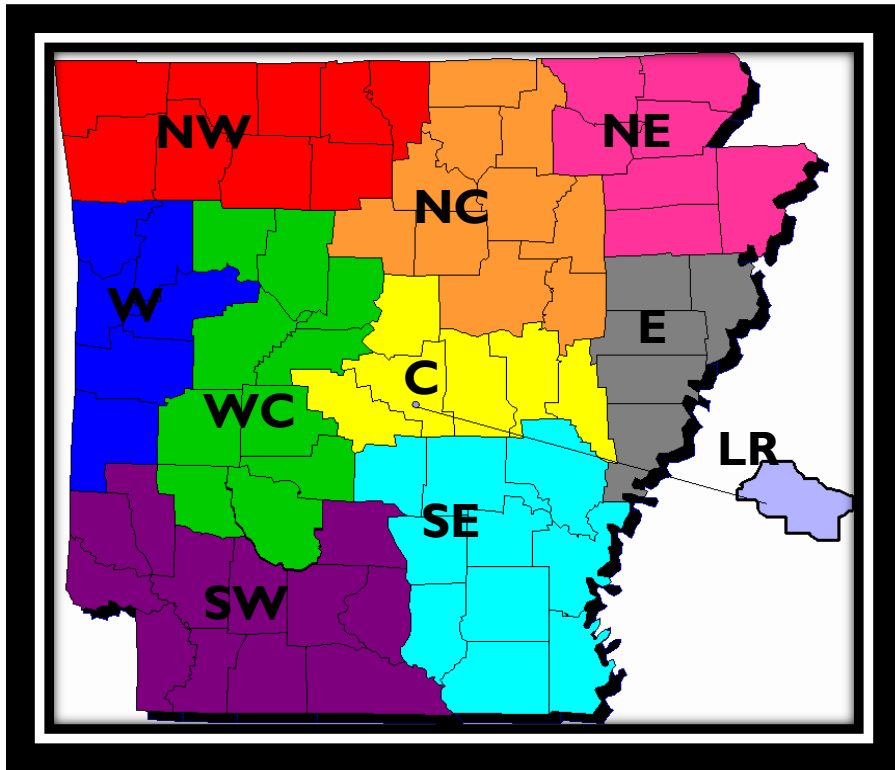
Definitions of Important Terms

Term	Definition
Estimated Employment	The average number of jobs in a particular industry or occupation during the benchmark year or quarter.
Content Skills	Learned capabilities that allow workers to master and perform the specific activities of their jobs.
Current Employment Statistics (CES)	A monthly survey of business establishments that provides estimates of employment, hours, and earnings data by industry for the nation, all states and most major metropolitan areas.
Employment	The number of jobs in a business or firm at any given time.
Fastest Growing/Declining	Refers to percent growth. The higher the percent growth, the faster an industry or occupation is growing. For declining industries or occupations, the lower the percent growth, the faster it is declining.
Generalized Work Activities	Learned sets of facts and standards required by many work situations.
Industry	A group of establishments that produce similar products or provide similar services.
Knowledge Domain	Learned sets of facts and standards required by many work situations.
Metropolitan Statistical Area	A county or group of contiguous counties that contains an urban center of at least 50,000 residents and has a high degree of economic and social ties.
Numeric Change	The difference between projected employment and base employment.
North American Industry Classification System (NAICS)	A system used in assigning industry-designated code numbers to employers and/or establishments based on the nature of their activities, services rendered, or products delivered; established by the U.S. Office of Management and Budget and used by all agencies for data compilation.
Occupation	A set of activities that employees are paid to perform; employees who perform the same tasks are in the same occupation, whether or not they are in the same industry.
Occupational Employment Statistics (OES)	A federal/state cooperative program that produces employment and wage estimates for over 700 occupations. These are estimates of the number of people employed in certain occupations and estimates of the wages paid to them. They are also used to gather occupational staffing patterns by industry that are used to project employment needs by occupation.
Percent (%) Change	The rate at which an industry or occupation is expected to grow or decline.
Projected Employment	The average number of jobs expected to be in an industry or occupation in the future.
Quarterly Census of Employment and Wage (QCEW)	A federal/state cooperative program that produces employment and wage data for workers covered by state unemployment insurance laws and federal workers covered by the Unemployment Compensation for Federal Employees Program. Data is arranged by the type of industry according to the North American Industry Classification System (NAICS).
Sector	A level of industry classification under supersector according to the NAICS structure.
Standard Occupational Classification (SOC)	A coding system used by all federal statistical agencies to classify workers into occupational categories for the purpose of collecting, calculating or disseminating data.
Subsector	A level of industry classification under sector according to the NAICS structure.
Supersector	The top level of industry classification according to the NAICS structure.

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Local Workforce Development Areas



Northwest Arkansas Workforce Development Area

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

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

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

Central Arkansas Workforce Development Area

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

City of Little Rock Workforce Development Area

Inside the city limits of Little Rock

Eastern Arkansas Workforce Development Area

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

Introduction

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

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

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

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

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

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

The need for workers to possess certain skills has become increasingly important in the labor market. A part of the publication presents the top skills that are in demand, as well as top knowledge domains and generalized work activities.

Many more projections-related information can be found on my Tableau pages. Go to the following website <https://public.tableau.com/profile/brian.pulliam#!/> to view tables and graphics related to business, education, and other industry and occupational outlook information.

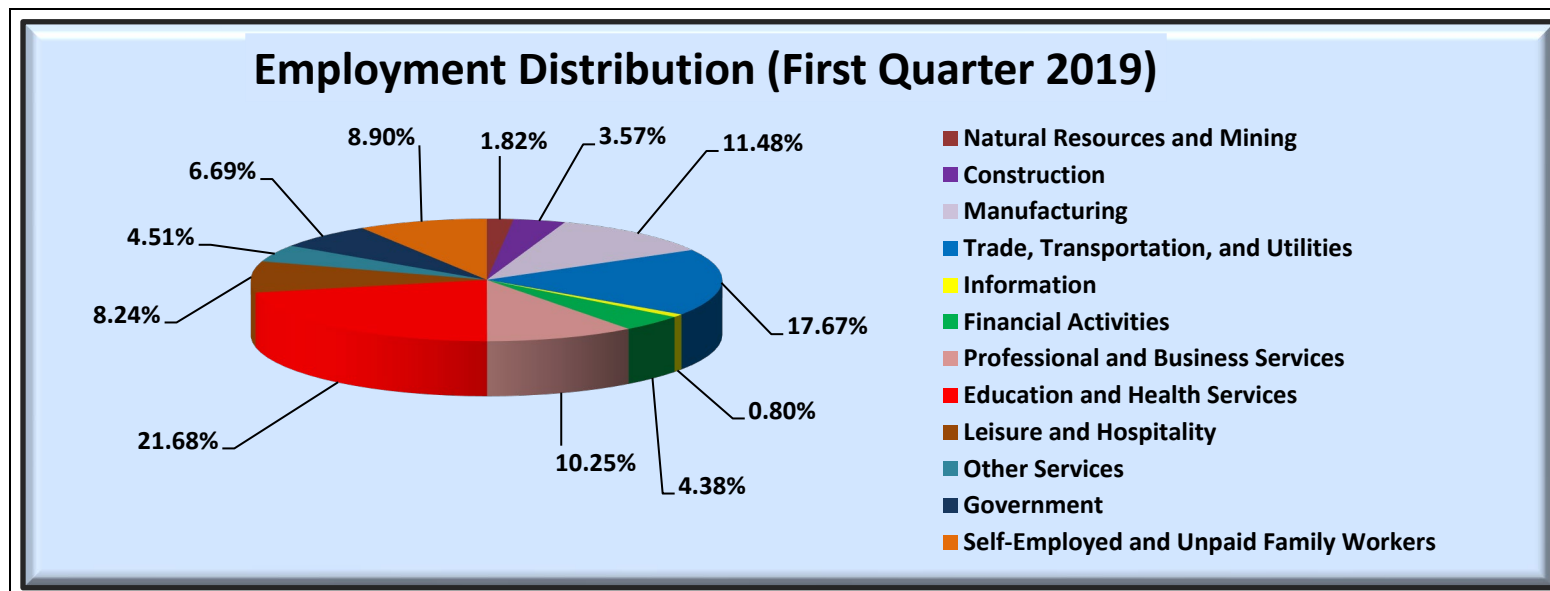
State of Arkansas Profile

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

Arkansas is rich in natural resources. There are many historical landmarks and state parks scattered throughout the state. This is one of the reasons 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 a number of small institutions that focus on specific types of careers. With all these educational opportunities, an array of occupational careers are waiting for students.

Arkansas' population, based on United States Census Bureau data estimates, was 3,017,804 as of July 1, 2019, an increase of 8,071 residents from the July 1, 2018 estimate of 3,009,733. The not-seasonally adjusted average unemployment rate for first quarter 2019 was 4.1 percent, while the seasonally adjusted number was 3.7 percent.



Methodology

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

Data Development

Data development is accomplished by using the following sources:

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

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

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

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

Industry Projections

A monthly time series is developed at the three- and four-digit NAICS levels from the three sources listed above, with a time period of January 1990 to March of the base year 2019. The industry projections in this publication were produced using the *Projections Suite* software, authorized by the U.S. Department of Labor, and developed by the Utah Department of Workforce Services. The software has several components that deal with industry projections. First, it allows the analyst to choose from a list of national and state variables to determine a state leading index, which is a list of variables that, when factored together, help predict changes in the state employment figures. National economic variables are also provided. State variables are labor force data, such as civilian labor force and unemployment rate, major industry division (CES) totals, nonfarm employment, building permits, manufacturing hours, natural gas prices, air passenger data, and a composite index.

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

Occupational Projections

Occupational projections are produced by merging industries and occupations together into an industry-occupational matrix. This matrix is a table showing the occupational pattern of each industry (i.e., the ratios of employment by occupation in a specific industry). The statewide matrix is based on the Bureau of Labor Statistics' Occupational Employment Statistics (OES) survey and uses a Standard Occupational Classification (SOC) code for each occupation. It uses the May 2018 OES semiannual survey to establish state staffing patterns, and is provided through the Local Employment and Wage Information System (LEWIS). National staffing patterns are used where state patterns do not exist.

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

Data Limitations

The projections contained in this publication are estimates based on historical data. It is important not to rely on these projections as the actual employment numbers that will occur in 2021. While every attempt is made to incorporate current and near-future events, such as business closings, corporate layoffs, openings, and expansions, it's not possible to know everything that might happen. Events that may take place after the projection period or announcements concerning closings, layoffs, openings, and expansions known after projections were completed are not reflected in the forecasts. Also, legislative policy could cause employment to change. Events such as these will likely cause the actual employment numbers to vary significantly from these projections.

It is important to look at both net growth and percent growth when looking at projections. Generally, industries or occupations with small employment will have higher growth rates than those with larger employment, but these industries may only add a few employees over the projection period. When examining occupational projections, it is important to look at all types of job openings, which include growth, exits, and transfers. Even if an occupation is in decline, it still may have openings to replace workers who leave the profession due to changing jobs or due to a person retiring or leaving the workforce for some other reason.

EXPLANATION OF INDUSTRY PROJECTIONS DATA
ARKANSAS-STATEWIDE
2019-2021

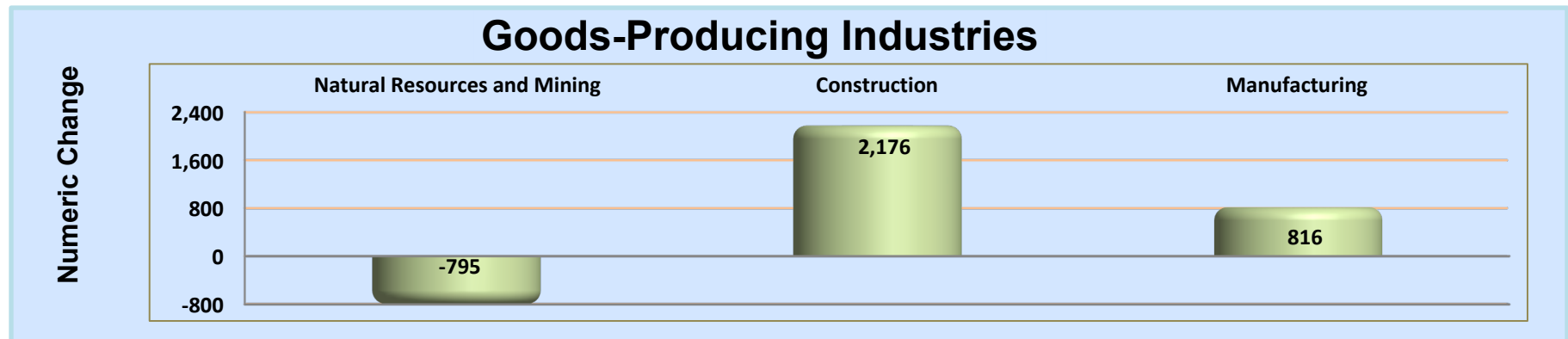
NAICS Code	NAICS Title	2019 Estimated Employment	2021 Projected Employment	Net Growth	Percent Growth
Industry code according to the North American Industry Classification System (NAICS) Title and Coding Structure	Industry title according to the North American Industry Classification System (NAICS) Title and Coding Structure	An estimate of the number of jobs in an industry in 2019	The projected number of jobs expected to be in an industry in 2021	Total number of jobs an industry is expected to gain or lose over the 2019 to 2021 period	Percent change in the number of jobs in an industry over the 2019 to 2021 period

2019-2021 Arkansas Statewide Industry Projections by Major Division

NAICS Code	NAICS Title	2019 Estimated Employment	2021 Projected Employment	Numeric Change	Percent Change
000000	TOTAL ALL INDUSTRIES	1,416,779	1,443,852	27,073	1.91%
000671	Total Self Employed and Unpaid Family Workers, All Jobs	126,051	127,102	1,051	0.83%
006010	Self Employed Workers, All Jobs	118,019	118,834	815	0.69%
007010	Unpaid Family Workers, All Jobs	8,032	8,268	236	2.94%
101000	Goods Producing	239,145	241,342	2,197	0.92%
101100	NATURAL RESOURCES AND MINING	25,811	25,016	-795	-3.08%
110000	Agriculture, Forestry, Fishing and Hunting	22,093	21,406	-687	-3.11%
210000	Mining	3,718	3,610	-108	-2.90%
101200	CONSTRUCTION	50,633	52,809	2,176	4.30%
101300	MANUFACTURING	162,701	163,517	816	0.50%
	<i>Non-Durable Goods Manufacturing</i>	84,486	84,601	115	0.14%
	<i>Durable Goods Manufacturing</i>	78,215	78,916	701	0.90%
102000	Services Providing	1,051,583	1,075,408	23,825	2.27%
102100	TRADE, TRANSPORTATION, AND UTILITIES	250,314	253,133	2,819	1.13%
420000	Wholesale Trade	47,109	48,101	992	2.11%
440000	Retail Trade	135,849	135,499	-350	-0.26%
480000	Transportation and Warehousing	59,658	62,006	2,348	3.94%
220000	Utilities	7,698	7,527	-171	-2.22%
102200	INFORMATION	11,343	11,237	-106	-0.93%
102300	FINANCIAL ACTIVITIES	62,106	64,869	2,763	4.45%
520000	Finance and Insurance	48,511	50,891	2,380	4.91%
530000	Real Estate and Rental and Leasing	13,595	13,978	383	2.82%
102400	PROFESSIONAL AND BUSINESS SERVICES	145,251	148,645	3,394	2.34%
540000	Professional, Scientific, and Technical Services	45,516	47,543	2,027	4.45%
550000	Management of Companies and Enterprises	33,716	33,325	-391	-1.16%
560000	Administrative and Support and Waste Management and Remediation Services	66,019	67,777	1,758	2.66%
102500	EDUCATION AND HEALTH SERVICES	307,102	314,104	7,002	2.28%
610000	Educational Services	115,975	117,095	1,120	0.97%
620000	Health Care and Social Assistance	191,127	197,009	5,882	3.08%
102600	LEISURE AND HOSPITALITY	116,793	121,732	4,939	4.23%
710000	Arts, Entertainment, and Recreation	10,278	11,147	869	8.45%
720000	Accommodation and Food Services	106,515	110,585	4,070	3.82%
102700	OTHER SERVICES (EXCEPT GOVERNMENT)	63,829	66,109	2,280	3.57%
102800	GOVERNMENT	94,845	95,579	734	0.77%

Industry Outlook

Between first quarter 2018 and first quarter 2019, an increase of 11,050 jobs was seen in the Arkansas economy, which translates to a 0.92 percent increase in jobs. The job market is expected to continue this growth with an increase of 27,073 jobs, equivalent to a 1.91 percent rise in employment, by 2021. Goods-Producing industries are estimated to see a net gain of 2,197 jobs, while the Services-Providing industries are forecast to increase employment by 23,825. Arkansas' self-employed and unpaid family workers ranks are estimated to experience a net gain of 1,051, an increase of 0.83 percent.



Natural Resources and Mining 795 jobs, 3.08%

Employment in **Natural Resources and Mining** is expected to lose 795 jobs, or 3.08 percent, making it the top and fastest declining supersector. The **Agriculture, Forestry, Fishing and Hunting** sector is projected to lose 687 jobs, or lose 3.11 percent of its workforce, making it the fastest declining sector. The Bureau of Economic Analysis shows a large decrease in farming jobs between 2016 and 2018, indicating a potential decrease in private farms. Both *Crop Production* and *Animal Production* could see losses that would place the industries in the Top 10 Declining Industries list. The **Mining** sector is estimated to lose 108 jobs, or 2.90 percent of its workforce. All three Mining sectors are estimated to see net losses, with *Support Activities for Mining* seeing a loss of 47, or 3.53 percent of its workforce.

Construction 2,176 jobs, 4.30%

Construction is expected to grow by 2,176 jobs between 2019 and 2021, a 4.30 percent gain. The *Specialty Trade Contractors* subsector is estimated to gain 1,661 jobs during the projection period, roughly 76.33 percent of the total growth in **Construction**. Building Equipment Contractors could account for 1,174 of those jobs, placing fourth in the Top Growing Industries list. Residential Building Construction is expected to make the Top 20 Fastest Growing Industries list at a rate of 7.71 percent. Other Heavy and Civil Engineering Construction is the only industry in **Construction** expected to lose more than 10 jobs, losing an estimated 17 jobs, or 2.44 percent of its workforce.

Non-Durable Goods Manufacturing 115 jobs, 0.14%

Non-Durable Goods Manufacturing is projected to have a small net growth of 115 jobs, or 0.14 percent gain. *Food Manufacturing* is estimated to add 584 jobs to the Arkansas job market. Animal Slaughtering and Processing is predicted to be the top growing industry in this group. *Textile Mills* could nearly double in size by first quarter 2021, with an increase of 91.80 percent. On the negative side of the labor market, *Paper Manufacturing* is estimated to lose 844 jobs, or 8.71 percent of its workforce. Pulp, Paper, and Paperboard Mills is forecasted to lose 462 jobs, or 11.86 percent of its workforce, placing second in numeric decline and sixth in percent decline. Converted Paper Product Manufacturing could lose 382 jobs, placing sixth in numeric decline. *Printing and Related Support Activities* is predicted to curtail an additional 154 jobs from its own workforce. Apparel Knitting Mills is projected to be the second fastest declining industry in the state, losing 34.32 percent of its workforce.

Durable Goods Manufacturing 701 jobs, 0.90%

Durable Goods Manufacturing is projected to experience a growth of 0.90 percent, or 701 new jobs. Driving this growth is *Transportation Equipment Manufacturing*, with an anticipated growth of 845 jobs. Ship and Boat Building could see the brightest outlook, with 337 new jobs, a 14.14 percent gain, placing fourth in the state in percent growth. Iron and Steel Mills and Ferroalloy Manufacturing is also predicted to experience strong growth, placing sixth overall in percent growth, with a 11.49 percent gain, the top growing among **Durable Goods** industries with 389 new jobs. On the negative side of the economy, Foundries is expected to be the top and fastest declining industry among **Durable Goods** industries, anticipated to lose 293 jobs, or 18.43 percent of its workforce. It places the industry fourth statewide in percent decline. *Computer and Electronic Product Manufacturing* is estimated to be the fastest declining sector, with a loss of 9.47 percent of its workforce, while *Electrical Equipment, Appliance, and Component Manufacturing* could lose the most, with a decline of 266 jobs.



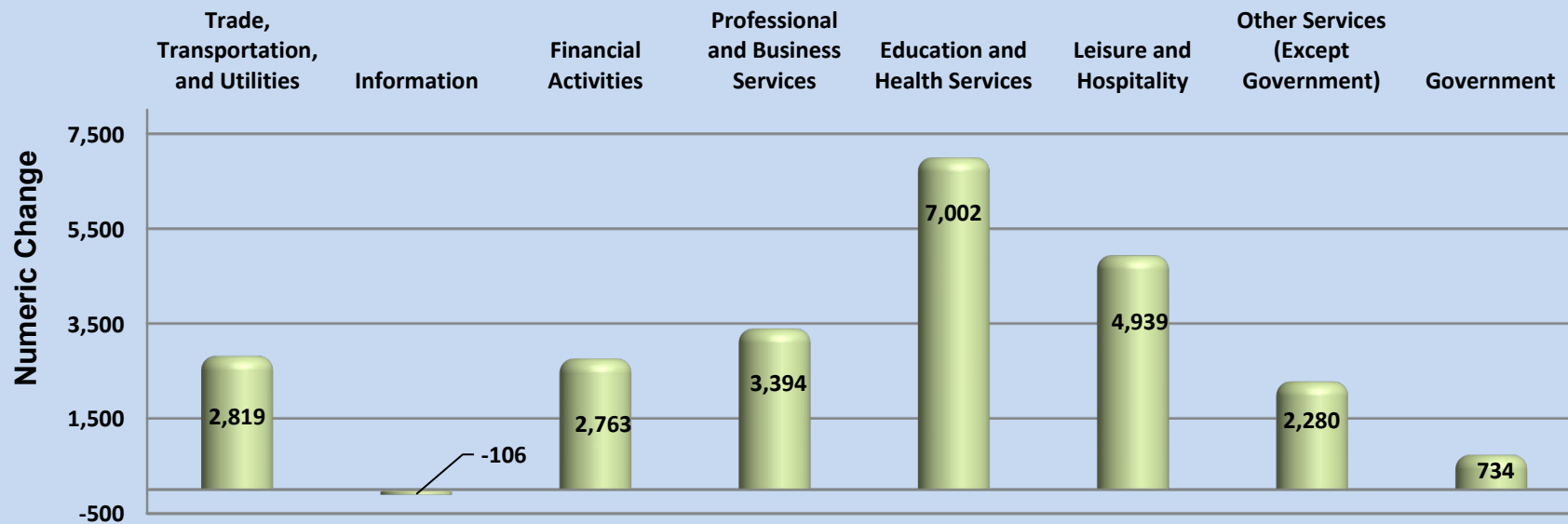
Utilities 171 jobs, 2.22%

The **Utilities** sector is expected to see a drop of 171 jobs, or 2.22 percent of its workforce by March 2021. Electric Power Generation, Transmission and Distribution is estimated to lose 117 jobs, or 2.03 percent of its workforce, while Natural Gas Distribution could lose 6.13 percent of its workforce. Water, Sewage, and Other Systems may be the only bright spot, gaining 9 new jobs for a 0.98 percent growth.

Wholesale Trade 992 jobs, 2.11%

The **Wholesale Trade** sector is expected to see a gain of 992 jobs, or 2.11 percent of its workforce during the projection period. Driving this growth is Merchant Wholesalers, Durable Goods, which is estimated to increase by 3.54 percent, or 847 new jobs, becoming one of the ten highest growing industries. Wholesale Electronic Markets and Agents and Brokers is slated to add an additional 237 jobs to its own workforce.

Services-Providing Industries



Retail Trade ↓ 350 jobs, 0.26%

Retail Trade could see the toughest outlook among industry sectors, losing 350 jobs, or 0.26 percent of its workforce between 2019 and 2021. *General Merchandise Stores* is projected to be the top declining industry in the state, losing 740 jobs. *Food and Beverage Stores* could see a loss of 398. In all, four of the five **Retail Trade** subsectors expecting losses, are slated to lose more than 140 jobs. Vending Machine Operators is predicted to be the fastest declining in this sector, and among the top 10 statewide with a loss of 12.44 percent. The brightest spot in this sector is *Miscellaneous Store Retailers*, which is slated to add 434 jobs, an increase of 6.18 percent, in part due to the emergence of medical marijuana dispensaries across the state.

Transportation and Warehousing ↑ 2,348 jobs, 3.94%

The **Transportation and Warehousing** sector is expected to increase by 2,348 jobs, an increase of 3.94 percent. One of the big drivers is *Truck Transportation*, which is slated to grow by 1,206 jobs, a 3.66 percent increase, the third highest growing industry in the state. Of the industries with at least 50 employees, four industries in this sector are among the ten fastest growing in the state, each growing by more than ten percent. Nonscheduled Air Transportation is the fastest growing in the **Transportation and Warehousing** sector and second statewide, with a 17.35 percent gain. On the negative side of the labor market, *Scenic and Sightseeing Transportation* is forecasted to lose 53.85 percent of its workforce, becoming the fastest declining industry in the state. *Pipeline Transportation* could experience a net loss of 33 jobs, or 8.21 percent of its workforce.

Information ↓ 106 jobs, 0.93%

The **Information** supersector is expected to see a drop of 106 jobs during the projection period, equivalent to a 0.93 percent decline in employment. *Publishing Industries (except Internet)* is estimated to lose 170 jobs, while *Telecommunications* could cut 116 from its workforce. Newspaper, Periodical, Book, and Directory Publishers is projected to lose the most jobs in this supersector, with an anticipated loss of 192 jobs, or 7.33 percent of its workforce. *Data Processing, Hosting and Related Services* is predicted to have one of the brighter outlooks among **Information** industries, gaining 111 new jobs, adding 6.81 percent to its workforce. Motion Picture and Video Industries could grow even faster, increasing employment by 8.40 percent.

Finance and Insurance ↑ 2,380 jobs, 4.91%

The **Finance and Insurance** sector is projected to add 2,380 new jobs to its workforce, an increase of 4.91 percent, and more than 86 percent of the total growth in the **Financial Activities** supersector. *Insurance Carriers and Related Activities* is predicted to increase by 6.64 percent, or 1,724 new jobs during the projection period. Insurance Carriers is forecasted to have a strong increase in jobs, adding 1,507 jobs, becoming the second highest growing industry in the state.

Real Estate and Rental and Leasing ↑ 383 jobs, 2.82%

The **Real Estate and Rental and Leasing** sector is estimated to increase employment by 383 jobs by first quarter 2021. The *Real Estate* subsector is anticipated to drive the growth in this sector, increasing by 386 jobs, or 4.06 percent. Other subsectors in this sector are slated to experience a combined net loss of three jobs. *Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)* is set to be the third fastest declining industry with a decline rate of 28.33 percent.

Professional, Scientific, and Technical Services

↑ 2,027 jobs, 4.45%

Professional, Scientific, and Technical Services is anticipated to gain 2,027 jobs between 2019 and 2021, a 4.45 percent increase. Computer Systems Design and Related Services is estimated to add 537 jobs, while Management, Scientific, and Technical Consulting Services could increase its workforce by 500. At 8.72 percent, Other Professional, Scientific, and Technical Services would be the fastest growing industry in this sector. Every industry in Professional, Scientific, and Technical Services is anticipating a net gain in jobs.

Management of Companies and Enterprises ↓ 391 jobs, 1.16%

As many large retailers and department stores see losses, **Management of Companies and Enterprises** could see a decrease in employment during the projection period in the amount of 391 jobs, or 1.16 percent of its workforce. The industry has lost 1,541 jobs between first quarter 2018 and first quarter 2019 and 3,099 jobs since the same time in 2017.

Administrative and Support and Waste Management and Remediation Services ↑ 1,758 jobs, 2.66%

The **Administrative and Support and Waste Management and Remediation Services** sector is projected to add 1,758 new jobs, a 2.66 percent increase by March 2021. Of these, *Administrative and Support Services* is slated to add 1,547 new jobs, while *Waste Management and Remediation Services* is estimated to add 211 jobs. Services to Buildings and Dwellings is estimated to be the top growing industry in the sector, gaining 489 new jobs. Facilities Support Services is forecasted to increase by 9.13 percent, placing ninth statewide in percent growth. In *Waste Management and Remediation Services*, Remediation and Other Waste Management Services is predicted to add 102 jobs, or 7.96 percent to its workforce.

Educational Services  **1,120 jobs, 0.97%**

The **Educational Services** sector is estimated to increase employment by 1,120 jobs during the projection period. Elementary and Secondary Schools is estimated to add 479 new jobs, while Colleges, Universities, and Professional Schools is slated to increase employment by 442. On the negative side of the job market, Technical and Trade Schools is projected to see a decline of 23 jobs.

Health Care and Social Assistance  **5,882 jobs, 3.08%**

Healthcare and Social Assistance is estimated to be the top growing sector in the state, adding 5,882 jobs, more than 84 percent of the gain in **Education and Health Services**, the top growing supersector at just over 7,000 new jobs. *Ambulatory Health Care Services* is predicted to increase by 2,836 jobs, while *Social Assistance* could raise employment by 1,508. Offices of Physicians is expected to be among the ten highest growing industries, raising employment by 1,030 jobs. Individual and Family Services is slated to increase employment by 992. Specialty (except Psychiatric and Substance Abuse) Hospitals could grow the fastest in this sector, with a growth rate of 8.52 percent. *Hospitals*, as a whole, could raise employment by 1,214 jobs. Residential Intellectual & Developmental Disability, Mental Health, & Substance Abuse Facilities is anticipated to be the only industry in Education and Health Services to experience a net decline in jobs, losing 65 jobs between 2019 and 2021.

Government  **734 jobs, 0.77%**

The **Government** supersector is projected to experience a net gain of 734 jobs. The driver of this growth is Local Government, Excluding Education and Hospitals, which could add 765 jobs, a 1.88 percent gain. *State Government, Excluding Education and Hospitals* could see a small gain, with 27 new jobs during the projection period. Federal Government, Excluding Post Office is forecasted to have a decline of 95 jobs, while Postal Service could experience a small gain of 37 jobs.

Art, Entertainment, and Recreation  **869 jobs, 8.45%**

The **Art, Entertainment, and Recreation** sector could be the fastest growing sector in the state, with an 8.45 percent gain as casinos begin to pop up around the state. Driving the growth is the *Amusement, Gambling, and Recreation Industries* subsector, with 731 new jobs, an increase of 10.89 percent. *Museums, Historical Sites, and Similar Institutions* is slated to be among the ten fastest growing in the state. Other Amusement and Recreation Industries is projected to add 223 new jobs, while Promoters of Performing Arts, Sports, and Similar Events could be the fastest growing industry at 8.01 percent growth.

Accommodation and Food Services  **4,070 jobs, 3.82%**

The **Accommodation and Food Services** sector is estimated to add 4,070 jobs between 2019 and 2021, a 3.82 percent rise in employment. Driving this growth is the Food Services and Drinking Places subsector, adding 3,732 new jobs, or 3.90 percent to its workforce. Restaurants and Other Eating Places is expected to be the top growing industry in the state, with a gain of 3,313. The industry gained 1,710 jobs between first quarter 2018 and first quarter 2019. *Accommodation, including Hotels and Motels* are estimated to add 338 new jobs during the projection period.

Other Services (Except Government)  **2,280 jobs, 3.57%**

The **Other Services (Except Government)** supersector is forecasted to add 2,280 jobs, or 3.57 percent to its workforce. Driving this growth is *Religious, Grantmaking, Civic, Professional, and Similar Organizations* with an anticipated gain of 2,126 jobs. Religious Organizations is slated to be seventh in numeric growth in the state, with 924 new jobs, while Social Advocacy Organizations is set to be ninth, gaining 892 new jobs, the fastest growing industry in the state at 17.99 percent. Grantmaking and Giving Services is also expecting strong growth at a 14.86 percent growth, the third fastest in the state. One downside in this supersector is Private Households, which is predicted to lose 362 jobs, or 7.95 percent of its workforce.

Top 20 Growing Industries by Numeric Change

NAICS Code	NAICS Title	2019 Estimated Employment	2021 Projected Employment	Numeric Change	Percent Change
722500	Restaurants and Other Eating Places	89,721	93,034	3,313	3.69%
524100	Insurance Carriers	17,548	19,055	1,507	8.59%
484000	Truck Transportation	32,958	34,164	1,206	3.66%
238200	Building Equipment Contractors	18,006	19,180	1,174	6.52%
621100	Offices of Physicians	25,718	26,748	1,030	4.00%
624100	Individual and Family Services	24,755	25,747	992	4.01%
813100	Religious Organizations	28,072	28,996	924	3.29%
813300	Social Advocacy Organizations	4,957	5,849	892	17.99%
423000	Merchant Wholesalers, Durable Goods	23,915	24,762	847	3.54%
999300	Local Government, Excluding Education and Hospitals	40,630	41,395	765	1.88%
621300	Offices of Other Health Practitioners	9,649	10,319	670	6.94%
622100	General Medical and Surgical Hospitals	52,347	52,971	624	1.19%
522000	Credit Intermediation and Related Activities	19,426	20,043	617	3.18%
541500	Computer Systems Design and Related Services	9,648	10,185	537	5.57%
813200	Grantmaking and Giving Services	3,453	3,966	513	14.86%
541600	Management, Scientific, and Technical Consulting Services	6,947	7,447	500	7.20%
561700	Services to Buildings and Dwellings	14,430	14,919	489	3.39%
611100	Elementary and Secondary Schools	78,124	78,603	479	0.61%
611300	Colleges, Universities, and Professional Schools	27,325	27,767	442	1.62%
453000	Miscellaneous Store Retailers	7,017	7,451	434	6.18%

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

NAICS Code	NAICS Title	2019 Estimated Employment	2021 Projected Employment	Numeric Change	Percent Change
813300	Social Advocacy Organizations	4,957	5,849	892	17.99%
481200	Nonscheduled Air Transportation	98	115	17	17.35%
813200	Grantmaking and Giving Services	3,453	3,966	513	14.86%
336600	Ship and Boat Building	2,384	2,721	337	14.14%
488200	Support Activities for Rail Transportation	905	1,014	109	12.04%
331100	Iron and Steel Mills and Ferroalloy Manufacturing	3,387	3,776	389	11.49%
488900	Other Support Activities for Transportation	108	120	12	11.11%
488500	Freight Transportation Arrangement	2,351	2,598	247	10.51%
561200	Facilities Support Services	1,512	1,650	138	9.13%
712000	Museums, Historical Sites, and Similar Institution	702	765	63	8.97%
541900	Other Professional, Scientific, and Technical Services	4,301	4,676	375	8.72%
812900	Other Personal Services	1,067	1,159	92	8.62%
524100	Insurance Carriers	17,548	19,055	1,507	8.59%
622300	Specialty (except Psychiatric and Substance Abuse) Hospitals	3,840	4,167	327	8.52%
512100	Motion Picture and Video Industries	1,285	1,393	108	8.40%
722300	Special Food Services	4,988	5,397	409	8.20%
711300	Promoters of Performing Arts, Sports, and Similar Events	649	701	52	8.01%
562900	Remediation and Other Waste Management Services	1,281	1,383	102	7.96%
236100	Residential Building Construction	3,631	3,911	280	7.71%
622200	Psychiatric and Substance Abuse Hospitals	3,615	3,878	263	7.28%

Top 20 Declining Industries by Numeric Change

NAICS Code	NAICS Title	2019 Estimated Employment	2021 Projected Employment	Numeric Change	Percent Change
452000	General Merchandise Stores	37,311	36,571	-740	-1.98%
322100	Pulp, Paper, and Paperboard Mills	3,896	3,434	-462	-11.86%
445000	Food and Beverage Stores	19,049	18,651	-398	-2.09%
112000	Animal Production	6,684	6,293	-391	-5.85%
551000	Management of Companies and Enterprises	33,716	33,325	-391	-1.16%
322200	Converted Paper Product Manufacturing	5,794	5,412	-382	-6.59%
111000	Crop Production	7,148	6,776	-372	-5.20%
814000	Private Households	4,556	4,194	-362	-7.95%
331500	Foundries	1,590	1,297	-293	-18.43%
335300	Electrical Equipment Manufacturing	2,866	2,650	-216	-7.54%
441100	Automobile Dealers	11,508	11,303	-205	-1.78%
813900	Business, Professional, Labor, Political, and Similar Organizations	2,814	2,615	-199	-7.07%
511100	Newspaper, Periodical, Book, and Directory Publishers	2,620	2,428	-192	-7.33%
315100	Apparel Knitting Mills	542	356	-186	-34.32%
448100	Clothing Stores	6,057	5,899	-158	-2.61%
323000	Printing and Related Support Activities	3,739	3,585	-154	-4.12%
311400	Fruit and Vegetable Preserving and Specialty Food Manufacturing	4,090	3,939	-151	-3.69%
331200	Steel Product Manufacturing from Purchased Steel	2,371	2,227	-144	-6.07%
443000	Electronics and Appliance Stores	3,325	3,182	-143	-4.30%
321900	Other Wood Product Manufacturing	3,311	3,169	-142	-4.29%

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

NAICS Code	NAICS Title	2019 Estimated Employment	2021 Projected Employment	Numeric Change	Percent Change
487000	Scenic and Sightseeing Transportation	13	6	-7	-53.85%
315100	Apparel Knitting Mills	542	356	-186	-34.32%
533000	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	60	43	-17	-28.33%
331500	Foundries	1,590	1,297	-293	-18.43%
454200	Vending Machine Operators	434	380	-54	-12.44%
322100	Pulp, Paper, and Paperboard Mills	3,896	3,434	-462	-11.86%
485500	Charter Bus Industry	85	76	-9	-10.59%
334500	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	370	333	-37	-10.00%
334400	Semiconductor and Other Electronic Component Manufacturing	1,410	1,278	-132	-9.36%
331400	Nonferrous Metal (except Aluminum) Production and Processing	271	249	-22	-8.12%
814000	Private Households	4,556	4,194	-362	-7.95%
335300	Electrical Equipment Manufacturing	2,866	2,650	-216	-7.54%
511100	Newspaper, Periodical, Book, and Directory Publishers	2,620	2,428	-192	-7.33%
813900	Business, Professional, Labor, Political, and Similar Organizations	2,814	2,615	-199	-7.07%
711100	Performing Arts Companies	341	318	-23	-6.74%
322200	Converted Paper Product Manufacturing	5,794	5,412	-382	-6.59%
221200	Natural Gas Distribution	1,027	964	-63	-6.13%
331200	Steel Product Manufacturing from Purchased Steel	2,371	2,227	-144	-6.07%
448300	Jewelry, Luggage, and Leather Goods Stores	679	639	-40	-5.89%
112000	Animal Production	6,684	6,293	-391	-5.85%

2019-2021 Arkansas Statewide Industry Projections

North American Industry Classification System		Employment		Change	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent
000000	TOTAL ALL INDUSTRIES	1,416,779	1,443,852	27,073	1.91%
000671	Total Self Employed and Unpaid Family Workers, All Jobs	126,051	127,102	1,051	0.83%
006010	Self Employed Workers, All Jobs	118,019	118,834	815	0.69%
007010	Unpaid Family Workers, All Jobs	8,032	8,268	236	2.94%
101000	Goods Producing	239,145	241,342	2,197	0.92%
101100	NATURAL RESOURCES AND MINING	25,811	25,016	-795	-3.08%
110000	Agriculture, Forestry, Fishing and Hunting	22,093	21,406	-687	-3.11%
111000	<i>Crop Production</i>	7,148	6,776	-372	-5.20%
112000	<i>Animal Production</i>	6,684	6,293	-391	-5.85%
115000	<i>Support Activities for Agriculture and Forestry</i>	5,843	6,002	159	2.72%
	<i>Other</i>	2,418	2,335	-83	-3.43%
210000	Mining	3,718	3,610	-108	-2.90%
211000	<i>Oil and Gas Extraction</i>	686	671	-15	-2.19%
212000	<i>Mining (except Oil and Gas)</i>	1,700	1,654	-46	-2.71%
213000	<i>Support Activities for Mining</i>	1,332	1,285	-47	-3.53%
101200	CONSTRUCTION	50,633	52,809	2,176	4.30%
236000	<i>Construction of Buildings</i>	10,746	11,190	444	4.13%
236100	Residential Building Construction	3,631	3,911	280	7.71%
236200	Nonresidential Building Construction	7,115	7,279	164	2.30%
237000	<i>Heavy and Civil Engineering Construction</i>	7,559	7,630	71	0.94%
237100	Utility System Construction	4,265	4,355	90	2.11%
237200	Land Subdivision	80	78	-2	-2.50%
237300	Highway, Street, and Bridge Construction	2,518	2,518	0	0.00%
237900	Other Heavy and Civil Engineering Construction	696	679	-17	-2.44%
238000	<i>Specialty Trade Contractors</i>	32,328	33,989	1,661	5.14%
238100	Foundation, Structure, and Building Exterior Contractors	5,969	6,277	308	5.16%
238200	Building Equipment Contractors	18,006	19,180	1,174	6.52%
238300	Building Finishing Contractors	3,772	3,800	28	0.74%
238900	Other Specialty Trade Contractors	4,581	4,732	151	3.30%

2019-2021 Arkansas Statewide Industry Projections

North American Industry Classification System		Employment		Change	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent
101300	MANUFACTURING	162,701	163,517	816	0.50%
	<i>Non-Durable Goods Manufacturing</i>	84,486	84,601	115	0.14%
311000	<i>Food Manufacturing</i>	48,812	49,396	584	1.20%
311100	Animal Food Manufacturing	1,987	2,049	62	3.12%
311200	Grain and Oilseed Milling	2,735	2,819	84	3.07%
311400	Fruit and Vegetable Preserving and Specialty Food Manufacturing	4,090	3,939	-151	-3.69%
311600	Animal Slaughtering and Processing	33,064	33,473	409	1.24%
311800	Bakeries and Tortilla Manufacturing	4,013	4,102	89	2.22%
311900	Other Food Manufacturing	2,331	2,443	112	4.80%
	Other	592	571	-21	-3.55%
312000	<i>Beverage and Tobacco Product Manufacturing</i>	1,419	1,513	94	6.62%
313000	<i>Textile Mills</i>	122	234	112	91.80%
314000	<i>Textile Product Mills</i>	920	899	-21	-2.28%
314100	Textile Furnishings Mills	21	20	-1	-4.76%
314900	Other Textile Product Mills	899	879	-20	-2.22%
315000	<i>Apparel Manufacturing</i>	880	967	87	9.89%
315100	Apparel Knitting Mills	542	356	-186	-34.32%
	Other	338	611	273	80.77%
316000	<i>Leather and Allied Product Manufacturing</i>	1,133	1,118	-15	-1.32%
316200	Footwear Manufacturing	929	906	-23	-2.48%
316900	Other Leather and Allied Product Manufacturing	204	212	8	3.92%
322000	<i>Paper Manufacturing</i>	9,690	8,846	-844	-8.71%
322100	Pulp, Paper, and Paperboard Mills	3,896	3,434	-462	-11.86%
322200	Converted Paper Product Manufacturing	5,794	5,412	-382	-6.59%
323000	<i>Printing and Related Support Activities</i>	3,739	3,585	-154	-4.12%
324000	<i>Petroleum and Coal Products Manufacturing</i>	1,235	1,283	48	3.89%
325000	<i>Chemical Manufacturing</i>	5,423	5,425	2	0.04%
326000	<i>Plastics and Rubber Products Manufacturing</i>	11,113	11,335	222	2.00%
326100	Plastics Product Manufacturing	6,875	7,003	128	1.86%
326200	Rubber Product Manufacturing	4,238	4,332	94	2.22%
	<i>Durable Goods Manufacturing</i>	78,215	78,916	701	0.90%
321000	<i>Wood Product Manufacturing</i>	9,956	9,797	-159	-1.60%
321100	Sawmills and Wood Preservation	4,868	4,948	80	1.64%
321200	Veneer, Plywood, and Engineered Wood Product Manufacturing	1,777	1,680	-97	-5.46%
321900	Other Wood Product Manufacturing	3,311	3,169	-142	-4.29%

2019-2021 Arkansas Statewide Industry Projections

North American Industry Classification System		Employment		Change	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent
327000	<i>Nonmetallic Mineral Product Manufacturing</i>	3,694	3,717	23	0.62%
331000	<i>Primary Metal Manufacturing</i>	8,514	8,483	-31	-0.36%
331100	Iron and Steel Mills and Ferroalloy Manufacturing	3,387	3,776	389	11.49%
331200	Steel Product Manufacturing from Purchased Steel	2,371	2,227	-144	-6.07%
331300	Alumina and Aluminum Production	895	934	39	4.36%
331400	Nonferrous Metal (except Aluminum) Production and Processing	271	249	-22	-8.12%
331500	Foundries	1,590	1,297	-293	-18.43%
332000	<i>Fabricated Metal Product Manufacturing</i>	15,429	15,655	226	1.46%
333000	<i>Machinery Manufacturing</i>	11,964	12,308	344	2.88%
334000	<i>Computer and Electronic Product Manufacturing</i>	1,974	1,787	-187	-9.47%
334400	Semiconductor and Other Electronic Component Manufacturing	1,410	1,278	-132	-9.36%
334500	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	370	333	-37	-10.00%
	Other	194	176	-18	-9.28%
335000	<i>Electrical Equipment, Appliance, and Component Manufacturing</i>	4,539	4,273	-266	-5.86%
335100	Electric Lighting Equipment Manufacturing	320	315	-5	-1.56%
335200	Household Appliance Manufacturing	29	29	0	0.00%
335300	Electrical Equipment Manufacturing	2,866	2,650	-216	-7.54%
335900	Other Electrical Equipment and Component Manufacturing	1,324	1,279	-45	-3.40%
336000	<i>Transportation Equipment Manufacturing</i>	15,181	16,026	845	5.57%
336200	Motor Vehicle Body and Trailer Manufacturing	2,167	2,194	27	1.25%
336300	Motor Vehicle Parts Manufacturing	5,291	5,315	24	0.45%
336400	Aerospace Product and Parts Manufacturing	3,934	4,205	271	6.89%
336600	Ship and Boat Building	2,384	2,721	337	14.14%
	Other	1,405	1,591	186	13.24%
337000	<i>Furniture and Related Product Manufacturing</i>	3,640	3,547	-93	-2.55%
339000	<i>Miscellaneous Manufacturing</i>	3,324	3,323	-1	-0.03%
339100	Medical Equipment and Supplies Manufacturing	1,611	1,689	78	4.84%
339900	Other Miscellaneous Manufacturing	1,713	1,634	-79	-4.61%
102000	Services Providing	1,051,583	1,075,408	23,825	2.27%
102100	TRADE, TRANSPORTATION, AND UTILITIES	250,314	253,133	2,819	1.13%
420000	Wholesale Trade	47,109	48,101	992	2.11%
423000	<i>Merchant Wholesalers, Durable Goods</i>	23,915	24,762	847	3.54%
424000	<i>Merchant Wholesalers, Nondurable Goods</i>	17,820	17,728	-92	-0.52%
425000	<i>Wholesale Electronic Markets and Agents and Brokers</i>	5,374	5,611	237	4.41%

2019-2021 Arkansas Statewide Industry Projections

North American Industry Classification System		Employment		Change	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent
440000	Retail Trade	135,849	135,499	-350	-0.26%
441000	<i>Motor Vehicle and Parts Dealers</i>	18,914	18,920	6	0.03%
441100	Automobile Dealers	11,508	11,303	-205	-1.78%
441200	Other Motor Vehicle Dealers	1,695	1,764	69	4.07%
441300	Automotive Parts, Accessories, and Tire Stores	5,711	5,853	142	2.49%
442000	<i>Furniture and Home Furnishings Stores</i>	3,530	3,550	20	0.57%
442100	Furniture Stores	1,924	1,914	-10	-0.52%
442200	Home Furnishings Stores	1,606	1,636	30	1.87%
443000	<i>Electronics and Appliance Stores</i>	3,325	3,182	-143	-4.30%
444000	<i>Building Material and Garden Equipment and Supplies Dealers</i>	11,599	11,886	287	2.47%
444100	Building Material and Supplies Dealers	9,704	9,920	216	2.23%
444200	Lawn and Garden Equipment and Supplies Stores	1,895	1,966	71	3.75%
445000	<i>Food and Beverage Stores</i>	19,049	18,651	-398	-2.09%
446000	<i>Health and Personal Care Stores</i>	8,757	8,897	140	1.60%
447000	<i>Gasoline Stations</i>	12,232	12,492	260	2.13%
448000	<i>Clothing and Clothing Accessories Stores</i>	7,916	7,664	-252	-3.18%
448100	Clothing Stores	6,057	5,899	-158	-2.61%
448200	Shoe Stores	1,180	1,126	-54	-4.58%
448300	Jewelry, Luggage, and Leather Goods Stores	679	639	-40	-5.89%
451000	<i>Sporting Goods, Hobby, Book, and Music Stores</i>	4,392	4,472	80	1.82%
451100	Sporting Goods, Hobby, and Musical Instrument Stores	3,899	3,996	97	2.49%
451200	Book, Periodical, and Music Stores	493	476	-17	-3.45%
452000	<i>General Merchandise Stores</i>	37,311	36,571	-740	-1.98%
453000	<i>Miscellaneous Store Retailers</i>	7,017	7,451	434	6.18%
454000	<i>Nonstore Retailers</i>	1,807	1,763	-44	-2.43%
454100	Electronic Shopping and Mail Order Houses	698	721	23	3.30%
454200	Vending Machine Operators	434	380	-54	-12.44%
454300	Direct Selling Establishments	675	662	-13	-1.93%
480000	Transportation and Warehousing	59,658	62,006	2,348	3.94%
481000	<i>Air Transportation</i>	723	770	47	6.50%
481100	Scheduled Air Transportation	625	655	30	4.80%
481200	Nonscheduled Air Transportation	98	115	17	17.35%
483000	<i>Water Transportation</i>	33	40	7	21.21%
484000	<i>Truck Transportation</i>	32,958	34,164	1,206	3.66%
485000	<i>Transit and Ground Passenger Transportation</i>	2,067	2,122	55	2.66%
485300	Taxi and Limousine Service	331	315	-16	-4.83%

2019-2021 Arkansas Statewide Industry Projections

North American Industry Classification System		Employment		Change	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent
485400	School and Employee Bus Transportation	394	388	-6	-1.52%
485500	Charter Bus Industry	85	76	-9	-10.59%
485900	Other Transit and Ground Passenger Transportation	1,057	1,129	72	6.81%
	Other	200	214	14	7.00%
486000	<i>Pipeline Transportation</i>	402	369	-33	-8.21%
487000	<i>Scenic and Sightseeing Transportation</i>	13	6	-7	-53.85%
488000	<i>Support Activities for Transportation</i>	5,704	6,157	453	7.94%
488100	Support Activities for Air Transportation	1,049	1,112	63	6.01%
488200	Support Activities for Rail Transportation	905	1,014	109	12.04%
488300	Support Activities for Water Transportation	428	412	-16	-3.74%
488400	Support Activities for Road Transportation	863	901	38	4.40%
488500	Freight Transportation Arrangement	2,351	2,598	247	10.51%
488900	Other Support Activities for Transportation	108	120	12	11.11%
493000	<i>Warehousing and Storage</i>	8,811	8,865	54	0.61%
	<i>OTHER</i>	8,947	9,513	566	6.33%
220000	Utilities	7,698	7,527	-171	-2.22%
221100	Electric Power Generation, Transmission and Distribution	5,753	5,636	-117	-2.03%
221200	Natural Gas Distribution	1,027	964	-63	-6.13%
221300	Water, Sewage and Other Systems	918	927	9	0.98%
102200	INFORMATION	11,343	11,237	-106	-0.93%
511000	<i>Publishing Industries (except Internet)</i>	3,060	2,890	-170	-5.56%
511100	Newspaper, Periodical, Book, and Directory Publishers	2,620	2,428	-192	-7.33%
511200	Software Publishers	440	462	22	5.00%
512000	<i>Motion Picture and Sound Recording Industries</i>	1,299	1,404	105	8.08%
512100	Motion Picture and Video Industries	1,285	1,393	108	8.40%
512200	Sound Recording Industries	14	11	-3	-21.43%
515000	<i>Broadcasting (except Internet)</i>	1,595	1,552	-43	-2.70%
517000	<i>Telecommunications</i>	3,414	3,298	-116	-3.40%
518000	<i>Data Processing, Hosting and Related Services</i>	1,629	1,740	111	6.81%
519000	<i>Other Information Services</i>	346	353	7	2.02%
102300	FINANCIAL ACTIVITIES	62,106	64,869	2,763	4.45%

2019-2021 Arkansas Statewide Industry Projections

North American Industry Classification System		Employment		Change	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent
520000	Finance and Insurance	48,511	50,891	2,380	4.91%
522000	Credit Intermediation and Related Activities	19,426	20,043	617	3.18%
523000	Securities, Commodity Contracts, and Other Financial Investments and Related Activities	3,050	3,089	39	1.28%
524000	Insurance Carriers and Related Activities	25,976	27,700	1,724	6.64%
524100	Insurance Carriers	17,548	19,055	1,507	8.59%
524200	Agencies, Brokerages, and Other Insurance Related Activities	8,428	8,645	217	2.57%
	OTHER	59	59	0	0.00%
530000	Real Estate and Rental and Leasing	13,595	13,978	383	2.82%
531000	Real Estate	9,505	9,891	386	4.06%
532000	Rental and Leasing Services	4,030	4,044	14	0.35%
533000	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	60	43	-17	-28.33%
102400	PROFESSIONAL AND BUSINESS SERVICES	145,251	148,645	3,394	2.34%
540000	Professional, Scientific, and Technical Services	45,516	47,543	2,027	4.45%
541000	Professional, Scientific, and Technical Services	45,516	47,543	2,027	4.45%
541100	Legal Services	5,949	6,008	59	0.99%
541200	Accounting, Tax Preparation, Bookkeeping, and Payroll Services	7,378	7,493	115	1.56%
541300	Architectural, Engineering, and Related Services	6,270	6,525	255	4.07%
541400	Specialized Design Services	363	374	11	3.03%
541500	Computer Systems Design and Related Services	9,648	10,185	537	5.57%
541600	Management, Scientific, and Technical Consulting Services	6,947	7,447	500	7.20%
541700	Scientific Research and Development Services	767	784	17	2.22%
541800	Advertising, Public Relations, and Related Services	3,893	4,051	158	4.06%
541900	Other Professional, Scientific, and Technical Services	4,301	4,676	375	8.72%
550000	Management of Companies and Enterprises	33,716	33,325	-391	-1.16%
560000	Administrative and Support and Waste Management and Remediation Services	66,019	67,777	1,758	2.66%
561000	Administrative and Support Services	62,428	63,975	1,547	2.48%
561100	Office Administrative Services	4,082	4,268	186	4.56%
561200	Facilities Support Services	1,512	1,650	138	9.13%
561300	Employment Services	27,810	28,174	364	1.31%
561400	Business Support Services	7,957	8,194	237	2.98%
561500	Travel Arrangement and Reservation Services	361	352	-9	-2.49%
561600	Investigation and Security Services	5,053	5,212	159	3.15%

2019-2021 Arkansas Statewide Industry Projections

North American Industry Classification System		Employment		Change	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent
561700	Services to Buildings and Dwellings	14,430	14,919	489	3.39%
561900	Other Support Services	1,223	1,206	-17	-1.39%
562000	<i>Waste Management and Remediation Services</i>	3,591	3,802	211	5.88%
562100	Waste Collection	1,258	1,309	51	4.05%
562200	Waste Treatment and Disposal	1,052	1,110	58	5.51%
562900	Remediation and Other Waste Management Services	1,281	1,383	102	7.96%
102500	EDUCATION AND HEALTH SERVICES	307,102	314,104	7,002	2.28%
610000	Educational Services	115,975	117,095	1,120	0.97%
611000	<i>Educational Services</i>	115,975	117,095	1,120	0.97%
611100	Elementary and Secondary Schools	78,124	78,603	479	0.61%
611200	Junior Colleges	7,002	7,182	180	2.57%
611300	Colleges, Universities, and Professional Schools	27,325	27,767	442	1.62%
611400	Business Schools and Computer and Management Training	126	121	-5	-3.97%
611500	Technical and Trade Schools	1,027	998	-29	-2.82%
611600	Other Schools and Instruction	1,792	1,822	30	1.67%
611700	Educational Support Services	579	602	23	3.97%
620000	Health Care and Social Assistance	191,127	197,009	5,882	3.08%
621000	<i>Ambulatory Health Care Services</i>	59,085	61,921	2,836	4.80%
621100	Offices of Physicians	25,718	26,748	1,030	4.00%
621200	Offices of Dentists	7,415	7,694	279	3.76%
621300	Offices of Other Health Practitioners	9,649	10,319	670	6.94%
621400	Outpatient Care Centers	5,192	5,475	283	5.45%
621500	Medical and Diagnostic Laboratories	1,358	1,427	69	5.08%
621600	Home Health Care Services	7,076	7,479	403	5.70%
621900	Other Ambulatory Health Care Services	2,677	2,779	102	3.81%
622000	<i>Hospitals</i>	59,802	61,016	1,214	2.03%
622100	General Medical and Surgical Hospitals	52,347	52,971	624	1.19%
622200	Psychiatric and Substance Abuse Hospitals	3,615	3,878	263	7.28%
622300	Specialty (except Psychiatric and Substance Abuse) Hospitals	3,840	4,167	327	8.52%
623000	<i>Nursing and Residential Care Facilities</i>	32,289	32,613	324	1.00%
623100	Nursing Care Facilities (Skilled Nursing Facilities)	22,800	22,868	68	0.30%
623200	Residential Intellectual & Developmental Disability, Mental Health, & Substance Abuse Facilities	4,318	4,253	-65	-1.51%
623300	Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly	4,345	4,639	294	6.77%

2019-2021 Arkansas Statewide Industry Projections

North American Industry Classification System		Employment		Change	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent
623900	Other Residential Care Facilities	826	853	27	3.27%
624000	<i>Social Assistance</i>	39,951	41,459	1,508	3.77%
624100	Individual and Family Services	24,755	25,747	992	4.01%
624200	Community Food and Housing, and Emergency and Other Relief Services	1,371	1,439	68	4.96%
624300	Vocational Rehabilitation Services	3,315	3,332	17	0.51%
624400	Child Day Care Services	10,510	10,941	431	4.10%
102600	LEISURE AND HOSPITALITY	116,793	121,732	4,939	4.23%
710000	<i>Arts, Entertainment, and Recreation</i>	10,278	11,147	869	8.45%
711000	<i>Performing Arts, Spectator Sports, and Related Industries</i>	2,863	2,938	75	2.62%
711100	Performing Arts Companies	341	318	-23	-6.74%
711200	Spectator Sports	1,787	1,830	43	2.41%
711300	Promoters of Performing Arts, Sports, and Similar Events	649	701	52	8.01%
711400	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	23	24	1	4.35%
711500	Independent Artists, Writers, and Performers	63	65	2	3.17%
712000	<i>Museums, Historical Sites, and Similar Institution</i>	702	765	63	8.97%
713000	<i>Amusement, Gambling, and Recreation Industries</i>	6,713	7,444	731	10.89%
713900	Other Amusement and Recreation Industries	6,517	6,740	223	3.42%
	Other	196	704	508	259.18%
720000	<i>Accommodation and Food Services</i>	106,515	110,585	4,070	3.82%
721000	<i>Accommodation, including Hotels and Motels</i>	10,772	11,110	338	3.14%
721100	Traveler Accommodation	10,231	10,545	314	3.07%
721200	RV (Recreational Vehicle) Parks and Recreational Camps	427	445	18	4.22%
721300	Rooming and Boarding Houses	114	120	6	5.26%
722000	<i>Food Services and Drinking Places</i>	95,743	99,475	3,732	3.90%
722300	Special Food Services	4,988	5,397	409	8.20%
722400	Drinking Places (Alcoholic Beverages)	1,034	1,044	10	0.97%
722500	Restaurants and Other Eating Places	89,721	93,034	3,313	3.69%
102700	OTHER SERVICES (EXCEPT GOVERNMENT)	63,829	66,109	2,280	3.57%
811000	<i>Repair and Maintenance</i>	11,116	11,537	421	3.79%
811100	Automotive Repair and Maintenance	6,839	7,136	297	4.34%
811200	Electronic and Precision Equipment Repair and Maintenance	983	999	16	1.63%

2019-2021 Arkansas Statewide Industry Projections

North American Industry Classification System		Employment		Change	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent
811300	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	2,690	2,811	121	4.50%
811400	Personal and Household Goods Repair and Maintenance	604	591	-13	-2.15%
812000	<i>Personal and Laundry Services</i>	7,672	7,767	95	1.24%
812100	Personal Care Services	2,839	2,921	82	2.89%
812200	Death Care Services	1,568	1,574	6	0.38%
812300	Drycleaning and Laundry Services	2,198	2,113	-85	-3.87%
812900	Other Personal Services	1,067	1,159	92	8.62%
813000	<i>Religious, Grantmaking, Civic, Professional, and Similar Organizations</i>	40,485	42,611	2,126	5.25%
813100	Religious Organizations	28,072	28,996	924	3.29%
813200	Grantmaking and Giving Services	3,453	3,966	513	14.86%
813300	Social Advocacy Organizations	4,957	5,849	892	17.99%
813400	Civic and Social Organizations	1,189	1,185	-4	-0.34%
813900	Business, Professional, Labor, Political, and Similar Organizations	2,814	2,615	-199	-7.07%
814000	<i>Private Households</i>	4,556	4,194	-362	-7.95%
102800	GOVERNMENT	94,845	95,579	734	0.77%
910000	<i>Total Federal Government Employment</i>	20,294	20,236	-58	-0.29%
491100	Postal Service	5,583	5,620	37	0.66%
999100	Federal Government, Excluding Post Office	14,711	14,616	-95	-0.65%
999200	State Government, Excluding Education and Hospitals	33,921	33,948	27	0.08%
999300	Local Government, Excluding Education and Hospitals	40,630	41,395	765	1.88%

EXPLANATION OF OCCUPATIONAL PROJECTIONS DATA ARKANSAS-STATEWIDE 2019-2021

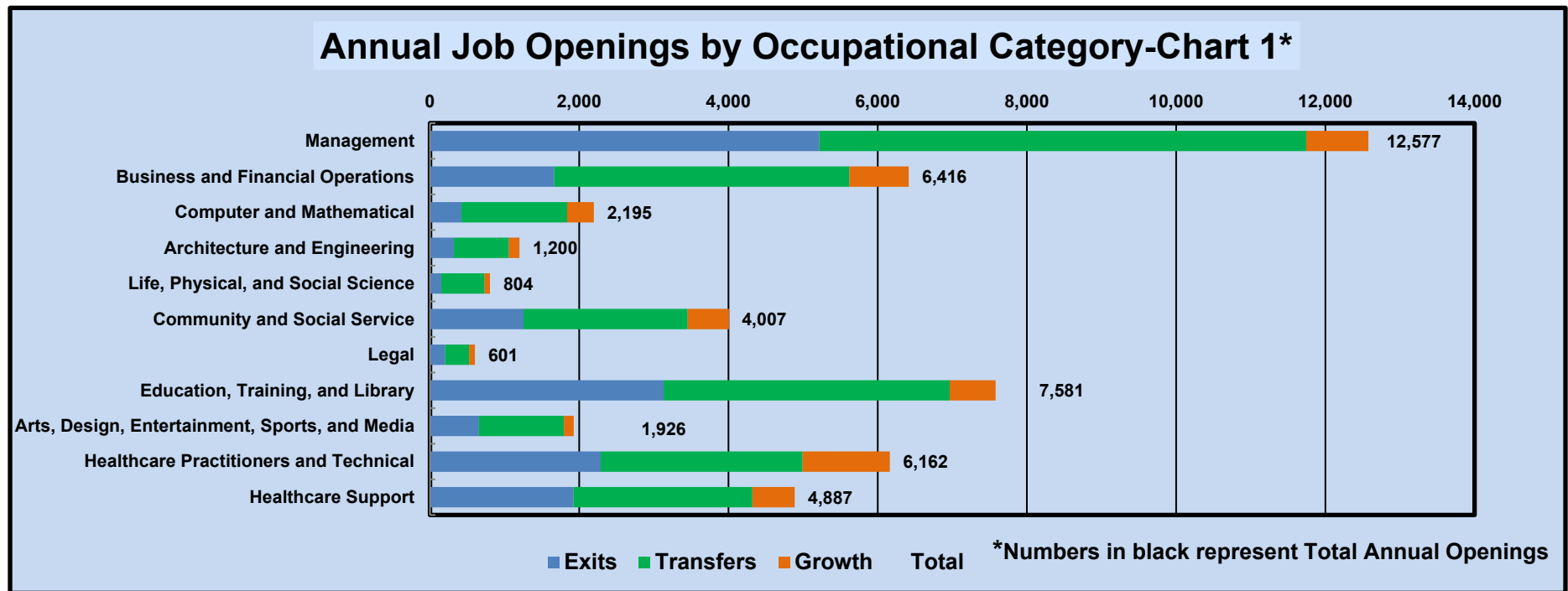
Standard Occupational Classification (SOC)		Employment		Change		Annual Openings				Education/ Training Codes
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	
The occupational code based on the Standard Occupational Classification (SOC) Coding and Title Structure	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 2019	The projected number of jobs expected to be in an occupation in 2021	Total number of jobs an occupation is expected to gain or lose over the 2019 to 2021 period	Percent change in the number of jobs in an occupation over the 2019 to 2021 period	Average number of annual job openings expected to be created during the projection period due to those leaving the workforce for four months or more	Average number of annual job openings expected to be created during the projection period due to those transferring to an occupation in a different SOC Major Group	Average number of annual job openings expected to be created during the projection period due to the gain or decline of jobs in an occupation	Average number of annual job openings expected to be created during the projection period due to employment growth and separations	Level of training needed by most workers to become fully qualified in the occupation according to the Bureau of Labor Statistics. See page 89 for definitions.

2019-2021 Arkansas Statewide Occupational Projections by Major Group

Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2019 Estimated Employment	2021 Projected Employment	Numeric	Percent	Exits	Transfers	Change	Total
00-0000	Total, All Occupations	1,416,779	1,443,852	27,073	1.91%	63,058	99,388	13,536	175,982
11-0000	Management Occupations	131,081	132,749	1,668	1.27%	5,219	6,524	834	12,577
13-0000	Business and Financial Operations Occupations	58,269	59,856	1,587	2.72%	1,661	3,961	794	6,416
15-0000	Computer and Mathematical Occupations	24,640	25,354	714	2.90%	420	1,418	357	2,195
17-0000	Architecture and Engineering Occupations	13,201	13,487	286	2.17%	320	737	143	1,200
19-0000	Life, Physical, and Social Science Occupations	7,112	7,258	146	2.05%	150	581	73	804
21-0000	Community and Social Service Occupations	31,484	32,593	1,109	3.52%	1,253	2,200	554	4,007
23-0000	Legal Occupations	7,710	7,861	151	1.96%	201	324	76	601
25-0000	Education, Training, and Library Occupations	80,633	81,863	1,230	1.53%	3,132	3,834	615	7,581
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	16,067	16,330	263	1.64%	656	1,138	132	1,926
29-0000	Healthcare Practitioners and Technical Occupations	84,842	87,177	2,335	2.75%	2,287	2,707	1,168	6,162
31-0000	Healthcare Support Occupations	37,308	38,441	1,133	3.04%	1,923	2,398	566	4,887
33-0000	Protective Service Occupations	28,328	28,767	439	1.55%	1,103	1,632	220	2,955
35-0000	Food Preparation and Serving Related Occupations	110,140	114,182	4,042	3.67%	7,649	11,419	2,021	21,089
37-0000	Building and Grounds Cleaning and Maintenance Occupations	46,527	47,443	916	1.97%	2,653	3,450	458	6,561
39-0000	Personal Care and Service Occupations	48,474	50,352	1,878	3.87%	3,510	3,758	939	8,207
41-0000	Sales and Related Occupations	143,589	145,587	1,998	1.39%	7,740	12,007	999	20,746
43-0000	Office and Administrative Support Occupations	181,720	183,291	1,571	0.86%	8,912	12,496	786	22,194
45-0000	Farming, Fishing, and Forestry Occupations	17,527	17,058	-469	-2.68%	682	2,083	-234	2,531
47-0000	Construction and Extraction Occupations	51,727	53,309	1,582	3.06%	1,710	4,156	791	6,657
49-0000	Installation, Maintenance, and Repair Occupations	60,859	62,202	1,343	2.21%	1,915	4,075	672	6,662
51-0000	Production Occupations	122,324	122,783	459	0.38%	4,836	9,572	230	14,638
53-0000	Transportation and Material Moving Occupations	113,217	115,909	2,692	2.38%	5,125	8,918	1,346	15,389

Occupational Outlook

The Arkansas labor market is expected to see a growth of 27,073 jobs over the 2019-2021 projection period, an increase of 1.91 percent, with many job opportunities for recent graduates and other job seekers. There is expected to be 175,982 total annual job openings during the projection period, with 63,058 openings available due to employees exiting the workforce. Another 99,388 are estimated to be available due to employees changing jobs, while 13,536 would be due to the growth and decline of an occupation. All but one major occupational group are estimated to see net gains in employment.



Management Occupations 1,668 jobs, 1.27% 12,577 Annual Openings

The **Management Occupations** major group is estimated to add 1,668 new jobs to its workforce, an increase of 1.27 percent. During the projection period, 12,577 job openings are expected to be available annually, of which 5,219 jobs are estimated to be due to exits from the workforce, and 6,524 because of employees transferring to other occupational groups. Another 834 would be for growth and expansion. The *Top Executives* occupational family leads with 586 new jobs anticipated. General and Operations Managers is projected to drive this

growth, with an increase of 555 new jobs, placing seventh in numeric growth. *Other Management Occupations* is slated to add an additional 547 new jobs. However, within this occupational family, Farmers, Ranchers, and Other Agricultural Managers is projected to be the top declining occupation in the state, with a loss of 312 jobs. This occupation could still generate 3,384 job openings due to farmers leaving the workforce.

Business and Financial Occupations ↑ 1,587 jobs, 2.72%
6,416 Annual Openings

The **Business and Financial Occupations** major group is expected to add 1,587 new jobs to its workforce, an increase of 2.72 percent. During the projection period, 6,416 job openings are expected to be available annually, of which 1,661 jobs are estimated to be due to exits from the workforce, and 3,961 because of employees transferring to other occupational groups. Another 794 would be for growth and expansion. The *Business Operations Specialists* is anticipated to add 1,078 jobs during the projection period. Management Analysts is the top growing occupation in this occupational family, with 298 new jobs, while Fundraisers is the fastest growing occupation and fourth statewide, with a 12.70 percent rise in employment. *Financial Specialists* is slated to add 509 new jobs, 45 percent of which is likely to be Accountants and Auditors. On the negative side, Buyers and Purchasing Agents is forecasted to lose 45 jobs, while Labor Relations Specialists is predicted to cut 4.37 percent of its workforce.

Architecture and Engineering Occupations ↑ 286 jobs, 2.17%
1,200 Annual Openings

The **Architecture and Engineering Occupations** major group is forecasted to raise employment by 286 new jobs, or 2.17 percent. Of the 1,200 job openings that are expected to be available annually, 320 jobs are estimated to be due to exits from the workforce, 737 due to employees transferring to other occupational groups, and 143 due to growth and expansion. The *Engineers* occupational family is set to add 186 new jobs. Industrial Engineers leads this family with an anticipated 51 new jobs. Cartographers and Photogrammetrists is projected to be in the Top 20 Fastest Growing Occupations list, with a 7.61 percent growth during the projection period. On the negative side of the labor market, Electrical and Electronics Engineering Technicians could see a drop of 11 jobs, or 1.96 percent of its workforce.

Computer and Mathematical Occupations ↑ 714 jobs, 2.90%
2,195 Annual Openings

The **Computer and Mathematical Occupations** major group is projected to add 714 new jobs to its workforce, an increase of 2.90 percent. During the projection period, 2,195 job openings are expected to be available annually, of which 420 jobs are estimated to be due to exits from the workforce, and 1,418 because of employees transferring to other occupational groups. Another 357 would be for growth and expansion. The *Computer Operations* major group is anticipated to add 660 jobs during the projection period, over 92 percent of the overall growth in the major group. Driving growth in the occupational family is Software Developers, Applications, which is estimated to increase by 200 jobs, an increase of 4.98 percent. Information Security Analysts is set to raise employment by 5.71 percent. The *Mathematical Science Occupations* occupational family is forecasted to add 54 new jobs, of which 36 could come among Operations Research Analysts.

Life, Physical, and Social Science Occupations ↑ 146 jobs, 2.05%
804 Annual Openings

The **Life, Physical, and Social Science Occupations** major group is expected to experience the fewest job gains among the occupational major groups with only 146 jobs between 2019 and 2021. Between that time, 804 job openings are expected to be available annually, of which 150 jobs are estimated to be due to exits from the workforce, 581 because of employees transferring to other occupational groups, and 73 from growth and expansion. The *Life, Physical, and Social Science Technicians* occupational family is set to add 67 new jobs. Clinical, Counseling, and School Psychologists leads the major group in numeric growth, with an anticipated gain of 31 jobs, while Environmental Scientists and Specialists, Including Health is slated to increase its workforce by 4.86 percent.

Community and Social Service Occupations  **1,109 jobs, 3.52%**
4,007 Annual Openings

The **Community and Social Service Occupations** major group is predicted to grow by 1,109 jobs during the 2019-2021 projection period. The major group is expecting 4,007 annual job openings, which includes 1,253 from employees exiting the workforce and 2,200 from employees transferring to other occupational groups. Growth and expansion could account for 554 annual job openings. *Religious Workers* is estimated to account for 584 new jobs and 2,045 annual job openings. Most of those jobs could come among Clergy, which is slated to add 509 new jobs to its workforce, placing eighth statewide in numeric growth. Community Health Workers is projected to increase its workforce by 5.33 percent, while Social and Human Service Assistants could experience a gain of 216.

Education, Training, and Library Occupations  **1,230 jobs, 1.53%**
7,581 Annual Openings


The **Education, Training, and Library Occupations** major group is forecasted to experience a growth of 1,230 jobs between 2019 and 2021. The major group is projected to have 7,581 annual job openings. Of these, 3,132 would be from employees exiting the workforce, 3,834 from employees transferring to other occupational groups, and 615 from growth and expansion. *Preschool, Primary, Secondary, and Special Education School Teachers* is set to add 489 new jobs. Leading that occupational family is Elementary School Teachers, Except Special Education, with an anticipated increase of 123 jobs. The *Other Education, Training, and Library Occupations* occupational family is estimated to add 237 new jobs. Leading the major group is Teacher Assistants with 198 new jobs. Curators could be the fastest growing occupation in **Education, Training, and Library Occupations** with a 6.10 percent gain.

Legal Occupations  **151 jobs, 1.96%**
601 Annual Openings


The **Legal Occupations** major group is predicted to increase employment by 151 jobs by March 2021. The major group is projected to have 601 annual job openings. Of these, 201 would be from employees exiting the workforce, 324 from employees transferring to other occupational groups, and 76 from growth and expansion. *Lawyers, Judges, and Related Workers* is estimated to add 76 new jobs, while *Legal Support Workers* could account for 75 new jobs. Lawyers is forecasted to lead the major group in numeric change, with 68 new jobs anticipated. Paralegals and Legal Assistants is slated to increase by 58, the fastest growing occupation in the major group, adding 2.95 percent to its workforce.

 **Arts, Design, Entertainment, Sports, and Media Occupations**
263 jobs, 1.64% **1,926 Annual Openings**


The **Arts, Design, Entertainment, Sports, and Media Occupations** major group is projected to add 263 new jobs to its workforce during the 2019-2021 projection period. Of the 1,926 annual job openings, 656 could come from employees leaving the workforce and 1,138 from employees changing jobs. Another 132 is set to come from growth and expansion. The *Entertainers and Performers, Sports and Related Workers* occupational family is forecasted to experience a gain of 116 new jobs. Public Relations Specialists leads all occupations in the major group, with 58 new jobs anticipated. Interpreters and Translators is estimated to increase its workforce by 5.23 percent. On the negative side of the economy, Reporters and Correspondents is predicted to lose 19 jobs, or 6.09 percent of its workforce between 2019 and 2021, placing sixth among the fastest declining occupations in the state.

Healthcare Practitioners and Technical Occupations
 **2,335 jobs, 2.75%** **6,162 Annual Openings**


The **Healthcare Practitioners and Technical Occupations** major group is slated to add 2,335 jobs to its workforce between first quarter 2019 and first quarter 2021. The major group could have 6,162 job openings annually, of which 2,287 could come from those leaving the workforce and 2,707 from those changing jobs. Growth and expansion is projected to account for 1,168 jobs annually. *Health Diagnosing and Treating Practitioners* is projected to increase employment by 3.24 percent, or 1,588 new jobs. Leading the growth is Registered Nurses, which is estimated to add 705 new jobs to its workforce, placing it among the top five growing occupations in the state. Veterinary Technologists and Technicians could be the fastest growing occupation in the major group with a ten percent growth, placing it among the ten fastest growing occupations in the state. On the negative side of the labor market, Respiratory Therapy Technicians is predicted to lose 33 jobs, or 10.22 percent of its workforce, placing the occupation in the top five of the Top 20 Fastest Declining Occupations list.

Protective Service Occupations
2,995 Annual Openings  **439 jobs, 1.55%**

The **Protective Service Occupations** major group is projected to experience a net growth of 439 jobs during the projection period. The major group is estimated to have 2,955 job openings annually, of which 1,103 could come from those leaving the workforce and 1,632 from those changing jobs. Growth and expansion are projected to account for 220 jobs annually. The *Other Protective Service Workers* occupational family is predicted to increase employment by 207 jobs. Leading the major group is Security Guards, which is forecasted to grow by 169 jobs, more than 38 percent of the total growth in **Protective Service Occupations**. Forest Fire Inspectors and Prevention Specialists is slated to raise employment levels by 5.09 percent, becoming the fastest growing occupation in the major group. On the negative side of the labor market, Correctional Officers and Jailers could see a drop of 51 jobs between 2019 and 2021.

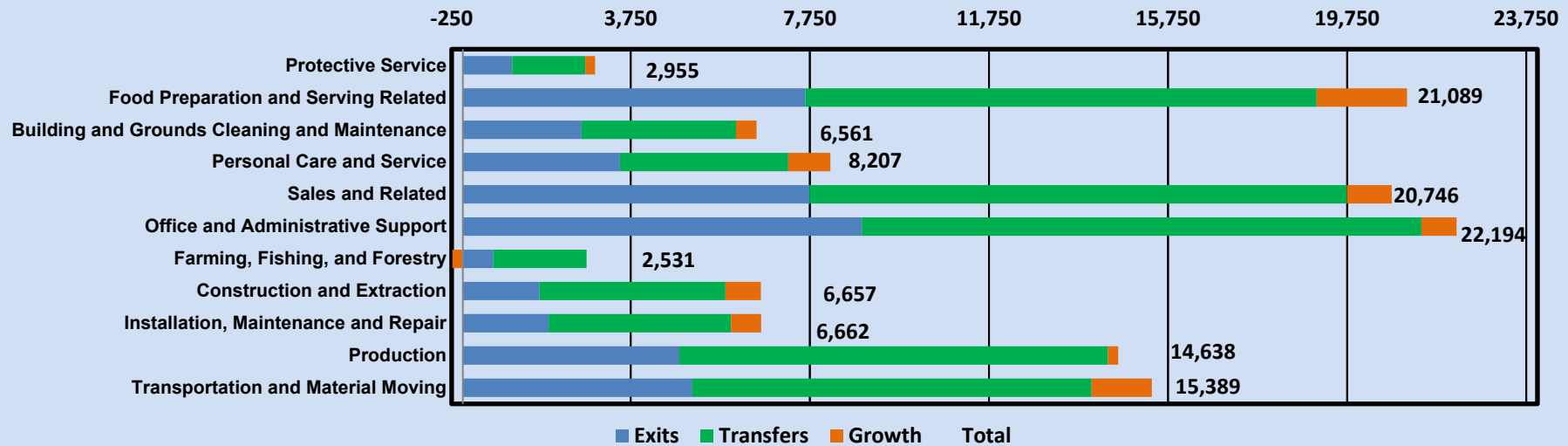
Healthcare Support Occupations
4,887 Annual Openings  **1,133 jobs, 3.04%**

The **Healthcare Support Occupations** major group is predicted to increase employment by 1,133 jobs during the projection period. The major group is estimated to have 4,887 job openings annually. Of these, 1,923 are projected to come from employees leaving the workforce and 2,398 from employees changing jobs. Another 566 openings are associated with growth and expansion. *Nursing, Psychiatric, and Home Health Aides* is forecasted to add 526 jobs to the labor market. Driving this growth is Nursing Assistants with 297 new jobs. Veterinary Assistants and Laboratory Animal Caretakers is anticipated to be the fastest growing occupation in Healthcare Support, with a 10.08 percent gain, placing among the ten fastest growing in the state. In all, five occupations in the major group are estimated to add more than 100 jobs between 2019 and 2021. Medical Transcriptionists, however, could see a 1.30 percent drop in jobs, roughly six less employees in that profession.

Food Preparation and Serving Related Occupations
 **4,042 jobs, 3.67%** **21,089 Annual Openings**

Food Preparation and Serving Related Occupations is projected to be the top growing major group in the state, with a gain of 4,042 jobs. The major group is estimated to have 21,089 job openings annually. Of these, 7,649 openings are estimated to come from employees leaving the workforce, while 11,419 could come from employees changing jobs. Another 2,021 job openings are slated to be associated with growth and expansion. The *Food and Beverage Serving Workers* occupational family is forecasted to gain 2,454 new jobs between 2019 and 2021. Driving this growth is Combined Food Preparation and Serving Workers, Including Fast Food with 1,795 new jobs, becoming the top growing occupation statewide. This occupation is also projected to have the most annual openings with 7,929. In all, four occupations in the major group made the Top 20 Growing Occupations list. Cooks, Restaurant is anticipated to be the fastest growing occupation in the major group with a 5.73 percent growth, and sixth in numeric growth with 627 new jobs.

Annual Job Openings by Occupational Category-Chart 2*



*Numbers in black represent Total Annual Openings

↑ **Building and Grounds Cleaning and Maintenance Occupations** 916 jobs, 1.97% 6,561 Annual Openings

The **Building and Grounds Cleaning and Maintenance Occupations** major group is projected to experience a net growth of 916 jobs during the projection period. The major group is estimated to have 6,561 job openings annually. Of these, 2,653 are expected to come from those leaving the workforce and 3,450 from those changing jobs. Growth and expansion are projected to account for 458 job openings annually. The *Building Cleaning and Pest Control Workers* occupational family is predicted to account for 56.44 percent of the major group's overall growth, with a gain of 517 new jobs. Driving this growth is Janitors and Cleaners, Except Maids and Housekeeping Cleaners, which is slated to add 452 new jobs, placing in the top 10 of the Top 20 Growing Occupations list. Landscaping and Groundskeeping Workers are estimated to increase its workforce by 3.09 percent, or 247 new jobs during the projection period.

↑ **Personal Care and Service Occupations** 1,878 jobs, 3.87% 8,207 Annual Openings

Personal Care and Service Occupations is projected to be the fastest growing major group in the state, increasing employment by 3.87 percent during the projection period. The major group expects to have 8,207 annual job openings, of which 3,510 could come from employees leaving the workforce, while 3,758 could be due to employees changing jobs. Another 939 are slated to be related to growth and expansion. The *Other Personal Care and Service Workers* drives growth in the major group with an anticipated gain of 1,145 new jobs. Leading the major group, as the fourth highest growth in the state is Personal Care Aides, with a gain of 832 jobs. The occupation is also predicted to have over a third of the openings projected from this major group, with 3,047 annual openings. Nonfarm Animal Caretakers is slated to increase its workforce by 7.90 percent.

Sales and Related Occupations  **1,998 jobs, 1.39%**
20,746 Annual Openings

The **Sales and Related Occupations** major group is projected to grow by 1,998 jobs, but could experience a mixed outlook with a retail decline in the state. There are estimated to be 20,746 annual job openings during the 2019-2021 period with 7,740 coming from employees leaving the workforce and 12,007 coming from job transfers. Growth and expansion is forecasted to account for 999 openings. The *Sales Representatives, Services* occupational family is projected to add 1,254 jobs to its workforce. Driving this growth is Insurance Sales Agents, which is slated to add 1,107 new jobs, an increase of 7.38 percent. That places the occupation third in the state in numeric change and in the Top 20 Fastest Growing occupations list. On the negative side of the economy, Cashiers could see a loss of 108 jobs, or just 0.35 percent of its workforce, placing among the ten highest declining occupations in the state.

Farming, Fishing, and Forestry Occupations  **469 jobs, 2.68%**
2,531 Annual Openings


Farming, Fishing, and Forestry Occupations is forecasted to be the only major group to experience a net loss in jobs with 469 to be cut from its workforce. The major group could still have 2,531 annual job openings, of which 682 would come from those leaving the workforce, and 2,083 from those changing jobs. Opportunities could be reduced by 234 annually due to the loss of jobs. *Agricultural Workers* is likely to see the biggest impact on job loss, with a decline of 383 jobs between 2019 and 2021. Farmworkers, Farm, Ranch, and Aquacultural Animals is predicted to lose 195 jobs, or 4.75 percent of its workforce, becoming one of the ten fastest declining occupations in the state, while Farmworkers and Laborers, Crop, Nursery, and Greenhouse is slated to lose 183, or 3.37 percent of its workforce. The occupations are fourth and fifth, respectively, in numeric decline. Fallers is also among the ten fastest declining industries in the state, with a projected loss of 4.72 percent.

 **Office and Administrative Support Occupations**
1,571 jobs, 0.86% **22,194 Annual Openings**

The **Office and Administrative Support Occupations** major group is projected to grow by 1,571 jobs, a 0.86 percent gain, one of the slowest growing in the state. However, its 22,194 projected annual openings would lead the state. Occupational exits would account for 8,912 job openings, while occupational transfers is slated to account for 12,496 annual job openings. Growth and expansion could still show 786 annual job openings for this major group. The *Information and Record Clerks* occupational family is projected to increase employment by 753 jobs. Receptionists and Information Clerks is anticipated to account for 314 of those jobs. Cargo and Freight Agents leads the major group in percent change with a 7.76 percent gain, placing in the Top 20 Fastest Growing Occupations list. On the negative side of the economy, Word Processors and Typists is predicted to lose 4.32 percent of its workforce. Secretaries and Administrative Assistants, Except Legal, Medical, and Executive could lose 108 jobs from its workforce, placing in the top 10 of the Top 20 Declining Occupations list.

 **Construction and Extraction Occupations**
1,582 jobs, 3.06% **6,657 Annual Openings**

The **Construction and Extraction Occupations** is estimated to grow by 1,582 jobs during the projection period. The major group is projected to have 6,657 annual job openings, with 1,710 coming from those exiting the workforce, while 4,156 would come from employees transferring jobs. Another 791 could come from growth and expansion. The *Construction Trades Workers* is predicted to account for nearly 80 percent of the job growth in the major group, with a total of 1,263, anticipated. Electricians are slated to be the top growing occupation in the major group, adding 303 jobs to its workforce. In all, four occupations in the *Construction Trades Workers* occupational family are predicted to add at least 156 jobs. Hazardous Materials Removal Workers is projected to be the fastest growing occupation in the major group, with a 6.81 percent gain. On the negative side of the labor market, Service Unit Operators, Oil, Gas, and Mining could cut 3.81 percent of its workforce, or 20 jobs, becoming the top and fastest declining industry in the major group.

 **Installation, Maintenance, and Repair Occupations**
1,343 jobs, 2.21% **6,662 Annual Openings**

The **Installation, Maintenance, and Repair Occupations** major group is projected to grow by 1,343 jobs during the projection period. The major group is projected to have 6,662 annual job openings, with 1,915 coming from those exiting the workforce, while 4,075 would come from employees transferring jobs. Another 672 could come from growth and expansion. The *Other Installation, Maintenance, and Repair Occupations* occupational family is estimated to account for 782 new jobs. Maintenance and Repair Workers, General is slated to add 261 jobs to its workforce. Riggers is forecasted to increase employment by 13.27 percent, becoming the third fastest growing occupation in the state. On the negative side of the labor market, Control and Valve Installers and Repairers, Except Mechanical Door is anticipated to lose 13 jobs, while Coin, Vending, and Amusement Machine Servicers and Repairers could lose 4.33 percent of its own workforce, placing among the ten fastest declining occupations in the state.

 **Transportation and Material Moving Occupations**
2,692 jobs, 2.38% **15,389 Annual Openings**

The **Transportation and Material Moving Occupations** major group is forecasted to add 2,692 jobs to its workforce between first quarter 2019 and first quarter 2021. With 15,389 annual job openings, 5,125 are predicted to come from those leaving the workforce, while 8,918 could come from those changing jobs. Growth and expansion is slated to account for 1,346 job openings. The *Motor Vehicle Operators* occupational family is estimated to add 1,841, more than a two-thirds of the overall growth in the major group. Driving this growth is Heavy and Tractor-Trailer Truck Drivers, with an anticipated gain of 1,187 during the projection period, second highest in the state. In all, four occupations in the major group are anticipating growth of more than 200 jobs. Rail Yard Engineers, Dinkey Operators, and Hostlers is projected to be the fastest growing occupation, with a 10.81 percent gain. On the negative side of the job market, Driver/Sales Workers is set to be the top declining occupation, with a loss of nine jobs.

 **Production Occupations**
459 jobs, 0.38% **14,638 Annual Openings**

Production Occupations is projected to grow by 0.38 percent, or 459 new jobs, the slowest among major groups. The outlook for this major group is mixed, with some occupational families experiencing growth, while others are set to decline. However, 14,638 job openings are expected annually. Of these, 4,836 could come from employees leaving the workforce and 9,572 from employees changing jobs. Another 230 are predicted to be related to growth and expansion during the projection period. The *Metal Workers and Plastic Workers* occupational family is predicted to add 361 jobs to its workforce. Welders, Cutters, Solderers, and Brazers leads this family with 294 new jobs. Helpers--Production Workers is the top growing occupation in the major group with 350 new jobs anticipated. Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers is slated to be the fastest growing occupation in the state, increasing by 19.13 percent. Four other occupations in the major group are among the ten fastest growing occupations in the state, each growing by more than 9.50 percent. On the negative side of the economy, Inspectors, Testers, Sorters, Samplers, and Weighers is estimated to be the top declining occupation, losing 239 jobs, while Foundry Mold and Coremakers could be the fastest declining occupation in the state at a rate of 15.56 percent. Three other occupations are also among the ten fastest declining in the state.

Top 20 Growing Occupations by Numeric Change

Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,586	40,381	1,795	4.65%	3,148	3,883	898	7,929
53-3032	Heavy and Tractor-Trailer Truck Drivers	38,356	39,543	1,187	3.09%	1,604	2,825	594	5,023
41-3021	Insurance Sales Agents	15,008	16,115	1,107	7.38%	573	940	554	2,067
39-9021	Personal Care Aides	18,461	19,293	832	4.51%	1,395	1,236	416	3,047
29-1141	Registered Nurses	26,402	27,107	705	2.67%	742	686	352	1,780
35-2014	Cooks, Restaurant	10,938	11,565	627	5.73%	597	994	314	1,905
11-1021	General and Operations Managers	20,939	21,494	555	2.65%	445	1,398	278	2,121
21-2011	Clergy	13,516	14,025	509	3.77%	602	888	254	1,744
35-3031	Waiters and Waitresses	18,635	19,139	504	2.70%	1,311	2,314	252	3,877
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,054	19,506	452	2.37%	1,179	1,360	226	2,765
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,854	22,300	446	2.04%	997	2,070	223	3,290
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	12,358	12,768	410	3.32%	548	1,370	205	2,123
53-3033	Light Truck or Delivery Services Drivers	8,234	8,601	367	4.46%	346	610	184	1,140
51-9198	Helpers--Production Workers	10,821	11,171	350	3.23%	585	1,036	175	1,796
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	13,225	13,554	329	2.49%	408	997	164	1,569
43-4171	Receptionists and Information Clerks	10,129	10,443	314	3.10%	598	783	157	1,538
47-2111	Electricians	6,315	6,618	303	4.80%	198	550	152	900
13-1111	Management Analysts	7,060	7,358	298	4.22%	224	456	149	829
31-1014	Nursing Assistants	18,764	19,061	297	1.58%	1,016	1,103	148	2,267
51-4121	Welders, Cutters, Solderers, and Brazers	5,961	6,255	294	4.93%	156	513	147	816

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

Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	115	137	22	19.13%	7	10	11	28
51-6031	Sewing Machine Operators	1,057	1,245	188	17.79%	67	62	94	223
49-9096	Riggers	211	239	28	13.27%	5	17	14	36
13-1131	Fundraisers	756	852	96	12.70%	26	57	48	131
51-2091	Fiberglass Laminators and Fabricators	543	604	61	11.23%	24	44	30	98
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	111	123	12	10.81%	3	8	6	17
53-4021	Railroad Brake, Signal, and Switch Operators	108	119	11	10.19%	2	8	6	16
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	1,032	1,136	104	10.08%	59	116	52	227
29-2056	Veterinary Technologists and Technicians	340	374	34	10.00%	10	18	17	45
51-4052	Pourers and Casters, Metal	83	91	8	9.64%	3	7	4	14
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	97	106	9	9.28%	3	8	4	15
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	276	300	24	8.70%	5	20	12	37
31-2011	Occupational Therapy Assistants	321	348	27	8.41%	14	22	14	50
29-1131	Veterinarians	667	722	55	8.25%	13	14	28	55
39-2021	Nonfarm Animal Caretakers	3,051	3,292	241	7.90%	220	293	120	633
43-5011	Cargo and Freight Agents	966	1,041	75	7.76%	36	60	38	134
17-1021	Cartographers and Photogrammetrists	92	99	7	7.61%	2	4	4	10
29-1127	Speech-Language Pathologists	2,201	2,367	166	7.54%	45	77	83	205
39-3031	Ushers, Lobby Attendants, and Ticket Takers	651	700	49	7.53%	88	76	24	188
41-3021	Insurance Sales Agents	15,008	16,115	1,107	7.38%	573	940	554	2,067

Top 20 Occupations by Annual Exits

Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,591	54,279	-312	-0.57%	3,384	2,024	-156	5,252
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,586	40,381	1,795	4.65%	3,148	3,883	898	7,929
41-2011	Cashiers	31,072	30,964	-108	-0.35%	2,768	3,083	-54	5,797
41-2031	Retail Salespersons	38,618	38,747	129	0.33%	2,223	3,428	64	5,715
43-9061	Office Clerks, General	28,610	28,808	198	0.69%	1,605	1,832	99	3,536
53-3032	Heavy and Tractor-Trailer Truck Drivers	38,356	39,543	1,187	3.09%	1,604	2,825	594	5,023
39-9021	Personal Care Aides	18,461	19,293	832	4.51%	1,395	1,236	416	3,047
35-3031	Waiters and Waitresses	18,635	19,139	504	2.70%	1,311	2,314	252	3,877
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,054	19,506	452	2.37%	1,179	1,360	226	2,765
31-1014	Nursing Assistants	18,764	19,061	297	1.58%	1,016	1,103	148	2,267
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,854	22,300	446	2.04%	997	2,070	223	3,290
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	17,498	17,390	-108	-0.62%	894	1,058	-54	1,898
37-2012	Maids and Housekeeping Cleaners	12,157	12,182	25	0.21%	861	778	12	1,651
43-3031	Bookkeeping, Accounting, and Auditing Clerks	13,637	13,689	52	0.38%	832	760	26	1,618
29-1141	Registered Nurses	26,402	27,107	705	2.67%	742	686	352	1,780
25-9041	Teacher Assistants	12,375	12,573	198	1.60%	662	652	99	1,413
21-2011	Clergy	13,516	14,025	509	3.77%	602	888	254	1,744
35-2014	Cooks, Restaurant	10,938	11,565	627	5.73%	597	994	314	1,905
43-1011	First-Line Supervisors of Office and Administrative Support Workers	15,398	15,541	143	0.93%	580	1,040	72	1,692
41-3021	Insurance Sales Agents	15,008	16,115	1,107	7.38%	573	940	554	2,067

Top 20 Occupations by Annual Transfers

Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,586	40,381	1,795	4.65	3,148	3,883	898	7,929
41-2031	Retail Salespersons	38,618	38,747	129	0.33	2,223	3,428	64	5,715
41-2011	Cashiers	31,072	30,964	-108	-0.35	2,768	3,083	-54	5,797
53-3032	Heavy and Tractor-Trailer Truck Drivers	38,356	39,543	1,187	3.09	1,604	2,825	594	5,023
35-3031	Waiters and Waitresses	18,635	19,139	504	2.7	1,311	2,314	252	3,877
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,854	22,300	446	2.04	997	2,070	223	3,290
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,591	54,279	-312	-0.57	3,384	2,024	-156	5,252
43-9061	Office Clerks, General	28,610	28,808	198	0.69	1,605	1,832	99	3,536
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	12,358	12,768	410	3.32	548	1,370	205	2,123
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,054	19,506	452	2.37	1,179	1,360	226	2,765
41-1011	First-Line Supervisors of Retail Sales Workers	16,549	16,564	15	0.09	572	1,248	8	1,828
39-9021	Personal Care Aides	18,461	19,293	832	4.51	1,395	1,236	416	3,047
31-1014	Nursing Assistants	18,764	19,061	297	1.58	1,016	1,103	148	2,267
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	17,498	17,390	-108	-0.62	894	1,058	-54	1,898
43-1011	First-Line Supervisors of Office and Administrative Support Workers	15,398	15,541	143	0.93	580	1,040	72	1,692
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	13,225	13,554	329	2.49	408	997	164	1,569
35-2014	Cooks, Restaurant	10,938	11,565	627	5.73	597	994	314	1,905
51-2098	Assemblers and Fabricators, All Other, Including Team Assemblers	13,199	13,002	-197	-1.49	536	990	-98	1,428
41-3021	Insurance Sales Agents	15,008	16,115	1,107	7.38	573	940	554	2,067
21-2011	Clergy	13,516	14,025	509	3.77	602	888	254	1,744

Top 20 Occupations by Total Annual Openings

Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,586	40,381	1,795	4.65	3,148	3,883	898	7,929
41-2011	Cashiers	31,072	30,964	-108	-0.35	2,768	3,083	-54	5,797
41-2031	Retail Salespersons	38,618	38,747	129	0.33	2,223	3,428	64	5,715
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,591	54,279	-312	-0.57	3,384	2,024	-156	5,252
53-3032	Heavy and Tractor-Trailer Truck Drivers	38,356	39,543	1,187	3.09	1,604	2,825	594	5,023
35-3031	Waiters and Waitresses	18,635	19,139	504	2.7	1,311	2,314	252	3,877
43-9061	Office Clerks, General	28,610	28,808	198	0.69	1,605	1,832	99	3,536
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,854	22,300	446	2.04	997	2,070	223	3,290
39-9021	Personal Care Aides	18,461	19,293	832	4.51	1,395	1,236	416	3,047
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,054	19,506	452	2.37	1,179	1,360	226	2,765
31-1014	Nursing Assistants	18,764	19,061	297	1.58	1,016	1,103	148	2,267
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	12,358	12,768	410	3.32	548	1,370	205	2,123
41-3021	Insurance Sales Agents	15,008	16,115	1,107	7.38	573	940	554	2,067
35-2014	Cooks, Restaurant	10,938	11,565	627	5.73	597	994	314	1,905
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	17,498	17,390	-108	-0.62	894	1,058	-54	1,898
41-1011	First-Line Supervisors of Retail Sales Workers	16,549	16,564	15	0.09	572	1,248	8	1,828
29-1141	Registered Nurses	26,402	27,107	705	2.67	742	686	352	1,780
21-2011	Clergy	13,516	14,025	509	3.77	602	888	254	1,744
43-1011	First-Line Supervisors of Office and Administrative Support Workers	15,398	15,541	143	0.93	580	1,040	72	1,692
37-2012	Maids and Housekeeping Cleaners	12,157	12,182	25	0.21	861	778	12	1,651

Top 20 Declining Occupations by Numeric Change

Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,591	54,279	-312	-0.57%	3,384	2,024	-156	5,252
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	6,930	6,691	-239	-3.45%	270	569	-120	719
51-2098	Assemblers and Fabricators, All Other, Including Team Assemblers	13,199	13,002	-197	-1.49%	536	990	-98	1,428
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	4,102	3,907	-195	-4.75%	159	495	-98	556
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	5,425	5,242	-183	-3.37%	212	659	-92	779
41-2011	Cashiers	31,072	30,964	-108	-0.35%	2,768	3,083	-54	5,797
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	17,498	17,390	-108	-0.62%	894	1,058	-54	1,898
51-5112	Printing Press Operators	2,015	1,936	-79	-3.92%	75	138	-40	173
33-3012	Correctional Officers and Jailers	5,843	5,792	-51	-0.87%	222	292	-26	488
13-1020	Buyers and Purchasing Agents	3,422	3,377	-45	-1.32%	107	248	-22	333
45-4022	Logging Equipment Operators	1,730	1,691	-39	-2.25%	67	206	-20	253
43-9021	Data Entry Keyers	1,333	1,295	-38	-2.85%	59	92	-19	132
51-2021	Coil Winders, Tapers, and Finishers	354	317	-37	-10.45%	14	24	-18	20
29-2054	Respiratory Therapy Technicians	323	290	-33	-10.22%	9	16	-16	9
41-9041	Telemarketers	2,304	2,271	-33	-1.43%	110	249	-16	343
43-6012	Legal Secretaries	1,126	1,096	-30	-2.66%	57	68	-15	110
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	805	776	-29	-3.60%	34	56	-14	76
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,838	1,809	-29	-1.58%	56	144	-14	186
51-6021	Pressers, Textile, Garment, and Related Materials	259	232	-27	-10.42%	14	16	-14	16
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	1,214	1,188	-26	-2.14%	47	84	-13	118

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

Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings	
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total
51-4071	Foundry Mold and Coremakers	90	76	-14	-15.56%	2	6	-7	1
51-8092	Gas Plant Operators	175	156	-19	-10.86%	4	14	-10	8
51-2021	Coil Winders, Tapers, and Finishers	354	317	-37	-10.45%	14	24	-18	20
51-6021	Pressers, Textile, Garment, and Related Materials	259	232	-27	-10.42%	14	16	-14	16
29-2054	Respiratory Therapy Technicians	323	290	-33	-10.22%	9	16	-16	9
27-3022	Reporters and Correspondents	312	293	-19	-6.09%	10	26	-10	26
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	4,102	3,907	-195	-4.75%	159	495	-98	556
45-4021	Fallers	127	121	-6	-4.72%	5	15	-3	17
13-1075	Labor Relations Specialists	366	350	-16	-4.37%	10	26	-8	28
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	254	243	-11	-4.33%	10	19	-6	23
43-9022	Word Processors and Typists	185	177	-8	-4.32%	11	11	-4	18
45-4029	Logging Workers, All Other	686	659	-27	-3.94%	26	82	-14	94
51-5112	Printing Press Operators	2,015	1,936	-79	-3.92%	75	138	-40	173
47-5013	Service Unit Operators, Oil, Gas, and Mining	525	505	-20	-3.81%	14	58	-10	62
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	805	776	-29	-3.60%	34	56	-14	76
51-8013	Power Plant Operators	226	218	-8	-3.54%	4	16	-4	16
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	6,930	6,691	-239	-3.45%	270	569	-120	719
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	5,425	5,242	-183	-3.37%	212	659	-92	779
43-2011	Switchboard Operators, Including Answering Service	547	529	-18	-3.29%	31	36	-9	58
51-9191	Adhesive Bonding Machine Operators and Tenders	368	356	-12	-3.26%	12	36	-6	42

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
00-0000	TOTAL, ALL OCCUPATIONS	1,416,779	1,443,852	27,073	1.91%	63,058	99,388	13,536	175,982			
11-0000	MANAGEMENT OCCUPATIONS	131,081	132,749	1,668	1.27%	5,219	6,524	834	12,577			
11-1000	Top Executives	25,387	25,973	586	2.31%	562	1,602	293	2,457			
11-1011	Chief Executives	3,310	3,316	6	0.18%	88	147	3	238	3	1	6
11-1021	General and Operations Managers	20,939	21,494	555	2.65%	445	1,398	278	2,121	3	1	6
11-1031	Legislators	1,138	1,163	25	2.20%	29	58	12	99	3	2	6
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	4,342	4,424	82	1.89%	90	298	41	429			
11-2011	Advertising and Promotions Managers	145	145	0	0.00%	3	10	0	13	3	2	6
11-2021	Marketing Managers	1,396	1,419	23	1.65%	28	96	12	136	3	1	6
11-2022	Sales Managers	2,358	2,397	39	1.65%	48	162	20	230	3	2	6
11-2031	Public Relations and Fundraising Managers	443	463	20	4.51%	10	28	10	48	3	1	6
11-3000	Operations Specialties Managers	14,596	15,049	453	3.10%	324	842	226	1,392			
11-3011	Administrative Services Managers	1,949	1,996	47	2.41%	54	110	24	188	3	2	6
11-3021	Computer and Information Systems Managers	2,482	2,578	96	3.87%	44	154	48	246	3	1	6
11-3031	Financial Managers	4,775	4,995	220	4.61%	106	271	110	487	3	1	6
11-3051	Industrial Production Managers	2,068	2,089	21	1.02%	44	107	10	161	3	1	6
11-3061	Purchasing Managers	595	600	5	0.84%	14	36	2	52	3	1	6
11-3071	Transportation, Storage, and Distribution Managers	1,336	1,367	31	2.32%	30	77	16	123	7	1	6
11-3111	Compensation and Benefits Managers	141	143	2	1.42%	4	8	1	13	3	1	6
11-3121	Human Resources Managers	1,019	1,045	26	2.55%	24	64	13	101	3	1	6
11-3131	Training and Development Managers	231	236	5	2.16%	6	15	2	23	3	1	6
11-9000	Other Management Occupations	86,756	87,303	547	0.63%	4,242	3,782	274	8,298			
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,591	54,279	-312	-0.57%	3,384	2,024	-156	5,252	7	1	6
11-9021	Construction Managers	3,304	3,405	101	3.06%	70	171	50	291	3	3	4
11-9031	Education Administrators, Preschool and Childcare Center/Program	708	730	22	3.11%	18	37	11	66	3	2	6

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
11-9032	Education Administrators, Elementary and Secondary School	2,368	2,395	27	1.14%	62	124	14	200	2	1	6
11-9033	Education Administrators, Postsecondary	1,676	1,713	37	2.21%	44	88	18	150	2	2	6
11-9039	Education Administrators, All Other	662	671	9	1.36%	17	34	4	55	3	2	6
11-9041	Architectural and Engineering Managers	866	879	13	1.50%	15	48	6	69	3	1	6
11-9051	Food Service Managers	2,163	2,232	69	3.19%	67	185	34	286	7	2	6
11-9061	Funeral Service Managers	336	341	5	1.49%	8	17	2	27	4	2	6
11-9081	Lodging Managers	806	829	23	2.85%	26	58	12	96	7	2	6
11-9111	Medical and Health Services Managers	5,268	5,451	183	3.47%	132	293	92	517	3	2	6
11-9121	Natural Sciences Managers	282	286	4	1.42%	6	19	2	27	3	1	6
11-9141	Property, Real Estate, and Community Association Managers	2,680	2,758	78	2.91%	101	108	39	248	7	2	6
11-9151	Social and Community Service Managers	1,828	1,931	103	5.63%	56	108	52	216	3	2	6
11-9199	Managers, All Other	8,879	9,058	179	2.02%	227	452	90	769	3	2	6
13-0000	BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS	58,269	59,856	1,587	2.72%	1,661	3,961	794	6,416			
13-1000	<i>Business Operations Specialists</i>	38,581	39,659	1,078	2.79%	1,092	2,738	539	4,369			
13-1020	Buyers and Purchasing Agents	3,422	3,377	-45	-1.32%	107	248	-22	333	3	3	4
13-1031	Claims Adjusters, Examiners, and Investigators	1,527	1,545	18	1.18%	37	93	9	139	7	3	3
13-1041	Compliance Officers	2,818	2,866	48	1.70%	79	170	24	273	3	3	4
13-1051	Cost Estimators	1,289	1,341	52	4.03%	33	96	26	155	3	3	4
13-1071	Human Resources Specialists	3,822	3,876	54	1.41%	102	284	27	413	3	3	6
13-1075	Labor Relations Specialists	366	350	-16	-4.37%	10	26	-8	28	3	2	6
13-1081	Logisticians	1,575	1,599	24	1.52%	37	114	12	163	3	3	6
13-1111	Management Analysts	7,060	7,358	298	4.22%	224	456	149	829	3	2	6
13-1121	Meeting, Convention, and Event Planners	859	892	33	3.84%	28	72	16	116	3	3	6
13-1131	Fundraisers	756	852	96	12.70%	26	57	48	131	3	3	6
13-1141	Compensation, Benefits, and Job Analysis Specialists	666	670	4	0.60%	22	42	2	66	3	2	6
13-1151	Training and Development Specialists	2,393	2,445	52	2.17%	72	188	26	286	3	2	6

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
13-1161	Market Research Analysts and Marketing Specialists	4,949	5,201	252	5.09%	120	400	126	646	3	3	6
13-1199	Business Operations Specialists, All Other	7,039	7,247	208	2.95%	194	492	104	790	3	3	6
13-2000	Financial Specialists	19,688	20,197	509	2.59%	570	1,224	254	2,048			
13-2011	Accountants and Auditors	9,022	9,252	230	2.55%	258	594	115	967	3	3	6
13-2021	Appraisers and Assessors of Real Estate	577	592	15	2.60%	20	24	8	52	3	3	3
13-2031	Budget Analysts	539	546	7	1.30%	14	29	4	47	3	3	6
13-2041	Credit Analysts	469	483	14	2.99%	10	32	7	49	3	3	6
13-2051	Financial Analysts	1,115	1,135	20	1.79%	22	74	10	106	3	3	6
13-2052	Personal Financial Advisors	1,240	1,272	32	2.58%	28	66	16	110	3	3	3
13-2053	Insurance Underwriters	373	387	14	3.75%	9	23	7	39	3	3	4
13-2061	Financial Examiners	295	303	8	2.71%	6	16	4	26	3	3	3
13-2071	Credit Counselors	93	95	2	2.15%	2	6	1	9	3	3	4
13-2072	Loan Officers	2,754	2,867	113	4.10%	68	168	56	292	3	3	4
13-2081	Tax Examiners and Collectors, and Revenue Agents	525	529	4	0.76%	20	23	2	45	3	3	4
13-2082	Tax Preparers	1,654	1,691	37	2.24%	82	108	18	208	7	3	4
13-2099	Financial Specialists, All Other	1,032	1,045	13	1.26%	29	60	6	95	3	3	4
15-0000	COMPUTER AND MATHEMATICAL OCCUPATIONS	24,640	25,354	714	2.90%	420	1,418	357	2,195			
15-1100	Computer Occupations	23,543	24,203	660	2.80%	396	1,364	330	2,090			
15-1111	Computer and Information Research Scientists	40	42	2	5.00%	0	2	1	3	2	3	6
15-1121	Computer Systems Analysts	3,665	3,762	97	2.65%	70	198	48	316	3	3	6
15-1122	Information Security Analysts	911	963	52	5.71%	14	53	26	93	3	2	6
15-1131	Computer Programmers	2,026	2,033	7	0.35%	32	110	4	146	3	3	6
15-1132	Software Developers, Applications	4,020	4,220	200	4.98%	57	233	100	390	3	3	6
15-1133	Software Developers, Systems Software	1,268	1,305	37	2.92%	18	72	18	108	3	3	6
15-1134	Web Developers	561	585	24	4.28%	10	34	12	56	4	3	6
15-1141	Database Administrators	518	537	19	3.67%	10	27	10	47	3	3	6
15-1142	Network and Computer Systems Administrators	2,610	2,646	36	1.38%	44	140	18	202	3	3	6
15-1143	Computer Network Architects	947	966	19	2.01%	12	54	10	76	3	1	6
15-1151	Computer User Support Specialists	4,195	4,312	117	2.79%	78	270	58	406	6	3	6
15-1152	Computer Network Support Specialists	1,800	1,829	29	1.61%	34	116	14	164	4	3	6

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
15-1199	Computer Occupations, All Other	982	1,003	21	2.14%	16	56	10	82	3	3	6
15-2000	Mathematical Science Occupations	1,097	1,151	54	4.92%	24	54	27	105			
15-2031	Operations Research Analysts	644	680	36	5.59%	16	28	18	62	3	3	6
15-2041	Statisticians	409	423	14	3.42%	8	24	7	39	2	3	6
17-0000	ARCHITECTURE AND ENGINEERING OCCUPATIONS	13,201	13,487	286	2.17%	320	737	143	1,200			
17-1000	Architects, Surveyors, and Cartographers	1,327	1,381	54	4.07%	33	69	27	129			
17-1011	Architects, Except Landscape and Naval	704	734	30	4.26%	17	38	15	70	3	3	2
17-1012	Landscape Architects	111	115	4	3.60%	2	6	2	10	3	3	2
17-1021	Cartographers and Photogrammetrists	92	99	7	7.61%	2	4	4	10	3	3	6
17-1022	Surveyors	420	433	13	3.10%	11	20	6	37	3	3	2
17-2000	Engineers	8,181	8,367	186	2.27%	167	412	93	672			
17-2021	Agricultural Engineers	30	29	-1	-3.33%	0	2	0	2	3	3	6
17-2031	Biomedical Engineers	60	61	1	1.67%	2	3	0	5	3	3	6
17-2041	Chemical Engineers	148	152	4	2.70%	3	6	2	11	3	3	6
17-2051	Civil Engineers	1,668	1,712	44	2.64%	34	97	22	153	3	3	6
17-2061	Computer Hardware Engineers	284	286	2	0.70%	6	15	1	22	3	3	6
17-2071	Electrical Engineers	1,050	1,064	14	1.33%	22	48	7	77	3	3	6
17-2072	Electronics Engineers, Except Computer	420	419	-1	-0.24%	8	19	0	27	3	3	6
17-2081	Environmental Engineers	130	134	4	3.08%	4	6	2	12	3	3	6
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	172	176	4	2.33%	4	8	2	14	3	3	6
17-2112	Industrial Engineers	1,852	1,903	51	2.75%	38	90	26	154	3	3	6
17-2131	Materials Engineers	151	152	1	0.66%	3	6	0	9	3	3	6
17-2141	Mechanical Engineers	1,072	1,098	26	2.43%	20	53	13	86	3	3	6
17-2171	Petroleum Engineers	90	91	1	1.11%	2	5	0	7	3	3	6
17-2199	Engineers, All Other	698	717	19	2.72%	14	34	10	58	3	3	6
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	3,693	3,739	46	1.25%	120	256	23	399			
17-3011	Architectural and Civil Drafters	602	617	15	2.49%	20	42	8	70	4	3	6
17-3012	Electrical and Electronics Drafters	138	137	-1	-0.72%	4	10	0	14	4	3	6
17-3013	Mechanical Drafters	335	334	-1	-0.30%	11	24	0	35	4	3	6
17-3019	Drafters, All Other	24	25	1	4.17%	1	2	0	3	4	3	6

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
17-3022	Civil Engineering Technicians	246	252	6	2.44%	8	16	3	27	4	3	6
17-3023	Electrical and Electronics Engineering Technicians	562	551	-11	-1.96%	18	36	-6	48	4	3	6
17-3025	Environmental Engineering Technicians	171	169	-2	-1.17%	6	11	-1	16	4	3	6
17-3026	Industrial Engineering Technicians	478	475	-3	-0.63%	16	30	-2	44	4	3	6
17-3027	Mechanical Engineering Technicians	136	139	3	2.21%	4	9	2	15	4	3	6
17-3029	Engineering Technicians, Except Drafters, All Other	535	558	23	4.30%	18	35	12	65	4	3	6
17-3031	Surveying and Mapping Technicians	445	460	15	3.37%	12	40	8	60	7	3	4
19-0000	LIFE, PHYSICAL, AND SOCIAL SCIENCE OCCUPATIONS	7,112	7,258	146	2.05%	150	581	73	804			
19-1000	Life Scientists	1,577	1,596	19	1.20%	26	128	10	164			
19-1011	Animal Scientists	21	21	0	0.00%	0	2	0	2	3	3	6
19-1012	Food Scientists and Technologists	213	216	3	1.41%	4	20	2	26	3	3	6
19-1013	Soil and Plant Scientists	96	100	4	4.17%	2	9	2	13	3	3	6
19-1022	Microbiologists	205	208	3	1.46%	3	16	2	21	3	3	6
19-1029	Biological Scientists, All Other	262	262	0	0.00%	4	20	0	24	3	3	6
19-1031	Conservation Scientists	138	138	0	0.00%	2	12	0	14	3	3	6
19-1032	Foresters	219	223	4	1.83%	4	18	2	24	3	3	6
19-1041	Epidemiologists	52	51	-1	-1.92%	0	4	0	4	2	3	6
19-1042	Medical Scientists, Except Epidemiologists	163	168	5	3.07%	2	12	2	16	1	3	6
19-2000	Physical Scientists	841	861	20	2.38%	16	68	10	94			
19-2021	Atmospheric and Space Scientists	28	28	0	0.00%	0	2	0	2	3	3	6
19-2031	Chemists	328	333	5	1.52%	6	24	2	32	3	3	6
19-2041	Environmental Scientists and Specialists, Including Health	288	302	14	4.86%	6	26	7	39	3	3	6
19-2042	Geoscientists, Except Hydrologists and Geographers	96	99	3	3.13%	2	8	2	12	3	3	6
19-3000	Social Scientists and Related Workers	1,480	1,520	40	2.70%	34	87	20	141			
19-3011	Economists	102	103	1	0.98%	2	6	0	8	2	3	6
19-3022	Survey Researchers	92	95	3	3.26%	3	8	2	13	2	3	6
19-3031	Clinical, Counseling, and School Psychologists	864	895	31	3.59%	20	42	16	78	1	3	2
19-3039	Psychologists, All Other	111	112	1	0.90%	2	6	0	8	2	3	2
19-3051	Urban and Regional Planners	96	99	3	3.13%	2	8	2	12	2	3	6
19-3091	Anthropologists and Archeologists	36	36	0	0.00%	1	3	0	4	2	3	6

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
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19-3099	Social Scientists and Related Workers, All Other	157	157	0	0.00%	5	13	0	18	3	3	6
19-4000	<i>Life, Physical, and Social Science Technicians</i>	3,214	3,281	67	2.08%	74	297	34	405			
19-4011	Agricultural and Food Science Technicians	1,047	1,067	20	1.91%	22	106	10	138	4	3	4
19-4021	Biological Technicians	217	221	4	1.84%	3	20	2	25	3	3	6
19-4031	Chemical Technicians	651	667	16	2.46%	12	53	8	73	4	3	4
19-4041	Geological and Petroleum Technicians	50	51	1	2.00%	0	4	0	4	4	3	4
19-4061	Social Science Research Assistants	301	305	4	1.33%	8	28	2	38	3	3	6
19-4091	Environmental Science and Protection Technicians, Including Health	145	152	7	4.83%	4	14	4	22	4	3	6
19-4092	Forensic Science Technicians	159	163	4	2.52%	4	14	2	20	3	3	4
19-4093	Forest and Conservation Technicians	268	272	4	1.49%	8	24	2	34	4	3	6
19-4099	Life, Physical, and Social Science Technicians, All Other	376	383	7	1.86%	10	34	4	48	4	3	6
21-0000	COMMUNITY AND SOCIAL SERVICE OCCUPATIONS	31,484	32,593	1,109	3.52%	1,253	2,200	554	4,007			
21-1000	<i>Counselors, Social Workers, and Other Community and Social Service Specialists</i>	15,929	16,454	525	3.30%	538	1,162	262	1,962			
21-1012	Educational, Guidance, School, and Vocational Counselors	2,330	2,376	46	1.97%	76	164	23	263	2	3	6
21-1013	Marriage and Family Therapists	48	50	2	4.17%	2	4	1	7	2	3	2
21-1015	Rehabilitation Counselors	631	642	11	1.74%	20	44	6	70	2	3	6
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	1,930	2,008	78	4.04%	64	138	39	241	3	3	6
21-1019	Counselors, All Other	90	90	0	0.00%	3	6	0	9	2	3	6
21-1021	Child, Family, and School Social Workers	1,618	1,642	24	1.48%	48	111	12	171	3	3	6
21-1022	Healthcare Social Workers	1,327	1,369	42	3.17%	40	92	21	153	2	3	2
21-1023	Mental Health and Substance Abuse Social Workers	1,125	1,177	52	4.62%	34	78	26	138	2	3	2
21-1029	Social Workers, All Other	602	603	1	0.17%	18	41	0	59	3	3	6
21-1091	Health Educators	241	249	8	3.32%	9	18	4	31	3	3	6

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21-1092	Probation Officers and Correctional Treatment Specialists	1,002	1,009	7	0.70%	22	63	4	89	3	3	5
21-1093	Social and Human Service Assistants	4,331	4,547	216	4.99%	178	350	108	636	7	3	5
21-1094	Community Health Workers	375	395	20	5.33%	14	29	10	53	7	3	5
21-1099	Community and Social Service Specialists, All Other	279	297	18	6.45%	10	22	9	41	3	3	6
21-2000	Religious Workers	15,555	16,139	584	3.75%	714	1,039	292	2,045			
21-2011	Clergy	13,516	14,025	509	3.77%	602	888	254	1,744	3	3	4
21-2021	Directors, Religious Activities and Education	993	1,028	35	3.52%	50	75	18	143	3	2	6
21-2099	Religious Workers, All Other	1,046	1,086	40	3.82%	62	76	20	158	3	3	6
23-0000	LEGAL OCCUPATIONS	7,710	7,861	151	1.96%	201	324	76	601			
23-1000	Lawyers, Judges, and Related Workers	4,855	4,931	76	1.57%	105	130	38	273			
23-1011	Lawyers	4,153	4,221	68	1.64%	90	111	34	235	1	3	6
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	323	327	4	1.24%	7	8	2	17	1	1	5
23-1023	Judges, Magistrate Judges, and Magistrates	303	306	3	0.99%	6	8	2	16	1	1	5
23-2000	Legal Support Workers	2,855	2,930	75	2.63%	96	194	38	328			
23-2011	Paralegals and Legal Assistants	1,966	2,024	58	2.95%	66	144	29	239	4	3	6
23-2091	Court Reporters	195	199	4	2.05%	6	11	2	19	5	3	5
23-2093	Title Examiners, Abstractors, and Searchers	496	507	11	2.22%	16	28	6	50	7	3	4
23-2099	Legal Support Workers, All Other	198	200	2	1.01%	6	11	1	18	4	3	6
25-0000	EDUCATION, TRAINING, AND LIBRARY OCCUPATIONS	80,633	81,863	1,230	1.53%	3,132	3,834	615	7,581			
25-1000	Postsecondary Teachers	16,475	16,862	387	2.35%	614	764	194	1,572			
25-1011	Business Teachers, Postsecondary	762	790	28	3.67%	28	36	14	78	1	3	6
25-1021	Computer Science Teachers, Postsecondary	368	377	9	2.45%	14	17	4	35	1	3	6
25-1022	Mathematical Science Teachers, Postsecondary	547	559	12	2.19%	20	26	6	52	1	3	6
25-1032	Engineering Teachers, Postsecondary	304	312	8	2.63%	12	14	4	30	1	3	6
25-1041	Agricultural Sciences Teachers, Postsecondary	499	505	6	1.20%	18	23	3	44	1	3	6

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
25-1042	Biological Science Teachers, Postsecondary	465	480	15	3.23%	18	22	8	48	1	3	6
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	88	90	2	2.27%	4	4	1	9	1	3	6
25-1052	Chemistry Teachers, Postsecondary	209	213	4	1.91%	8	10	2	20	1	3	6
25-1053	Environmental Science Teachers, Postsecondary	38	39	1	2.63%	2	2	0	4	1	3	6
25-1054	Physics Teachers, Postsecondary	101	104	3	2.97%	4	4	2	10	1	3	6
25-1061	Anthropology and Archeology Teachers, Postsecondary	27	27	0	0.00%	1	1	0	2	1	3	6
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41	42	1	2.44%	2	2	0	4	1	3	6
25-1063	Economics Teachers, Postsecondary	52	53	1	1.92%	2	2	0	4	1	3	6
25-1065	Political Science Teachers, Postsecondary	83	84	1	1.20%	3	4	0	7	1	3	6
25-1066	Psychology Teachers, Postsecondary	272	281	9	3.31%	10	12	4	26	1	3	6
25-1067	Sociology Teachers, Postsecondary	75	77	2	2.67%	3	4	1	8	1	3	6
25-1069	Social Sciences Teachers, Postsecondary, All Other	290	297	7	2.41%	11	14	4	29	1	3	6
25-1071	Health Specialties Teachers, Postsecondary	1,686	1,765	79	4.69%	64	79	40	183	1	2	6
25-1072	Nursing Instructors and Teachers, Postsecondary	747	785	38	5.09%	28	35	19	82	1	2	6
25-1081	Education Teachers, Postsecondary	557	569	12	2.15%	20	26	6	52	1	2	6
25-1082	Library Science Teachers, Postsecondary	38	38	0	0.00%	2	2	0	4	1	3	6
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	79	82	3	3.80%	3	4	2	9	1	3	6
25-1113	Social Work Teachers, Postsecondary	164	167	3	1.83%	6	8	2	16	1	3	6
25-1121	Art, Drama, and Music Teachers, Postsecondary	695	710	15	2.16%	26	32	8	66	2	3	6
25-1122	Communications Teachers, Postsecondary	306	312	6	1.96%	12	14	3	29	1	3	6
25-1123	English Language and Literature Teachers, Postsecondary	761	780	19	2.50%	28	36	10	74	1	3	6

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
25-1124	Foreign Language and Literature Teachers, Postsecondary	164	168	4	2.44%	6	8	2	16	1	3	6
25-1125	History Teachers, Postsecondary	275	281	6	2.18%	10	13	3	26	1	3	6
25-1126	Philosophy and Religion Teachers, Postsecondary	88	90	2	2.27%	4	4	1	9	1	3	6
25-1191	Graduate Teaching Assistants	4,065	4,122	57	1.40%	150	188	28	366	3	3	6
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	157	160	3	1.91%	6	8	2	16	1	3	6
25-1194	Vocational Education Teachers, Postsecondary	1,140	1,145	5	0.44%	42	52	2	96	3	2	6
25-1199	Postsecondary Teachers, All Other	1,143	1,165	22	1.92%	42	53	11	106	1	3	6
25-2000	Preschool, Primary, Secondary, and Special Education School Teachers	41,797	42,286	489	1.17%	1,318	1,883	244	3,445			
25-2011	Preschool Teachers, Except Special Education	3,690	3,808	118	3.20%	148	228	59	435	4	3	6
25-2012	Kindergarten Teachers, Except Special Education	1,609	1,629	20	1.24%	64	98	10	172	3	3	6
25-2021	Elementary School Teachers, Except Special Education	12,976	13,099	123	0.95%	406	556	62	1,024	3	3	6
25-2022	Middle School Teachers, Except Special and Career/Technical Education	6,036	6,099	63	1.04%	189	259	32	480	3	3	6
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	11,813	11,925	112	0.95%	330	502	56	888	3	3	6
25-2032	Career/Technical Education Teachers, Secondary School	1,388	1,397	9	0.65%	38	59	4	101	3	2	6
25-2051	Special Education Teachers, Preschool	455	467	12	2.64%	15	20	6	41	3	3	6
25-2052	Special Education Teachers, Kindergarten and Elementary School	1,328	1,338	10	0.75%	44	56	5	105	3	3	6
25-2053	Special Education Teachers, Middle School	951	958	7	0.74%	32	40	4	76	3	3	6
25-2054	Special Education Teachers, Secondary School	1,333	1,345	12	0.90%	44	56	6	106	3	3	6
25-2059	Special Education Teachers, All Other	145	148	3	2.07%	5	6	2	13	3	3	6
25-3000	Other Teachers and Instructors	5,498	5,589	91	1.66%	310	301	46	657			
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	419	415	-4	-0.95%	24	24	-2	46	3	3	6

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
25-3021	Self-Enrichment Education Teachers	1,103	1,143	40	3.63%	65	63	20	148	7	2	6
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	1,030	1,049	19	1.84%	60	58	10	128	3	3	6
25-3098	Substitute Teachers	2,761	2,792	31	1.12%	160	156	16	332	3	3	6
25-3099	Teachers and Instructors, All Other	185	190	5	2.70%	0	0	2	2			
25-4000	Librarians, Curators, and Archivists	2,091	2,117	26	1.24%	130	109	13	252			
25-4011	Archivists	66	67	1	1.52%	3	4	0	7	2	3	6
25-4012	Curators	82	87	5	6.10%	4	6	2	12	2	3	6
25-4013	Museum Technicians and Conservators	64	67	3	4.69%	3	4	2	9	3	3	6
25-4021	Librarians	1,371	1,388	17	1.24%	74	63	8	145	2	3	6
25-4031	Library Technicians	508	508	0	0.00%	46	32	0	78	5	3	6
25-9000	Other Education, Training, and Library Occupations	14,772	15,009	237	1.60%	762	776	118	1,656			
25-9011	Audio-Visual and Multimedia Collections Specialists	96	98	2	2.08%	4	5	1	10	3	2	6
25-9021	Farm and Home Management Advisors	253	254	1	0.40%	10	13	0	23	2	3	6
25-9031	Instructional Coordinators	1,923	1,957	34	1.77%	80	100	17	197	2	1	6
25-9041	Teacher Assistants	12,375	12,573	198	1.60%	662	652	99	1,413	6	3	6
25-9099	Education, Training, and Library Workers, All Other	125	127	2	1.60%	5	6	1	12	3	3	6
27-0000	ARTS, DESIGN, ENTERTAINMENT, SPORTS, AND MEDIA OCCUPATIONS	16,067	16,330	263	1.64%	656	1,138	132	1,926			
27-1000	Art and Design Workers	5,603	5,688	85	1.52%	200	372	42	614			
27-1011	Art Directors	316	320	4	1.27%	16	18	2	36	3	1	6
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	224	229	5	2.23%	12	13	2	27	3	3	3
27-1014	Multimedia Artists and Animators	204	206	2	0.98%	10	12	1	23	3	3	6
27-1021	Commercial and Industrial Designers	127	126	-1	-0.79%	4	8	0	12	3	3	6
27-1022	Fashion Designers	52	51	-1	-1.92%	2	4	0	6	3	3	6
27-1023	Floral Designers	441	445	4	0.91%	14	30	2	46	7	3	4
27-1024	Graphic Designers	1,897	1,926	29	1.53%	62	128	14	204	3	3	6
27-1025	Interior Designers	325	330	5	1.54%	10	22	2	34	3	3	6
27-2000	Entertainers and Performers, Sports and Related Workers	4,819	4,935	116	2.41%	256	368	58	682			

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Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
27-2012	Producers and Directors	586	595	9	1.54%	13	45	4	62	3	2	6
27-2022	Coaches and Scouts	1,690	1,731	41	2.43%	96	153	20	269	3	3	6
27-2041	Music Directors and Composers	602	622	20	3.32%	35	38	10	83	3	2	6
27-2042	Musicians and Singers	1,634	1,675	41	2.51%	95	102	20	217	8	3	3
27-3000	Media and Communication Workers	3,889	3,937	48	1.23%	138	282	24	444			
27-3011	Radio and Television Announcers	463	447	-16	-3.46%	19	34	-8	45	3	3	6
27-3021	Broadcast News Analysts	38	37	-1	-2.63%	2	4	0	6	3	3	6
27-3022	Reporters and Correspondents	312	293	-19	-6.09%	10	26	-10	26	3	3	6
27-3031	Public Relations Specialists	1,487	1,545	58	3.90%	45	112	29	186	3	3	6
27-3041	Editors	429	418	-11	-2.56%	13	34	-6	41	3	2	6
27-3042	Technical Writers	213	224	11	5.16%	7	14	6	27	3	2	5
27-3043	Writers and Authors	582	584	2	0.34%	25	36	1	62	3	3	3
27-3091	Interpreters and Translators	153	161	8	5.23%	7	9	4	20	3	3	6
27-4000	Media and Communication Equipment Workers	1,756	1,770	14	0.80%	62	116	7	185			
27-4011	Audio and Video Equipment Technicians	275	287	12	4.36%	10	20	6	36	5	3	5
27-4021	Photographers	981	980	-1	-0.10%	38	60	0	98	7	3	4
27-4031	Camera Operators, Television, Video, and Motion Picture	116	119	3	2.59%	3	8	2	13	3	3	6
29-0000	HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS	84,842	87,177	2,335	2.75%	2,287	2,707	1,168	6,162			
29-1000	Health Diagnosing and Treating Practitioners	48,943	50,531	1,588	3.24%	1,206	1,212	794	3,212			
29-1011	Chiropractors	388	400	12	3.09%	7	4	6	17	1	3	6
29-1021	Dentists, General	981	1,010	29	2.96%	22	8	14	44	1	3	6
29-1029	Dentists, All Other Specialists	38	38	0	0.00%	1	0	0	1	1	3	2
29-1031	Dietitians and Nutritionists	549	565	16	2.91%	18	17	8	43	3	3	2
29-1041	Optometrists	368	380	12	3.26%	7	4	6	17	1	3	6
29-1051	Pharmacists	3,303	3,308	5	0.15%	78	70	2	150	1	3	6
29-1062	Family and General Practitioners	1,398	1,448	50	3.58%	24	18	25	67	1	3	2
29-1063	Internists, General	116	118	2	1.72%	2	2	1	5	1	3	2
29-1064	Obstetricians and Gynecologists	149	151	2	1.34%	2	2	1	5	1	3	2
29-1065	Pediatricians, General	93	94	1	1.08%	2	1	0	3	1	3	2
29-1066	Psychiatrists	217	222	5	2.30%	4	3	2	9	1	3	2
29-1067	Surgeons	140	141	1	0.71%	2	2	0	4	1	3	2
29-1069	Physicians and Surgeons, All Other	3,118	3,182	64	2.05%	52	40	32	124	1	3	2
29-1071	Physician Assistants	538	574	36	6.69%	8	23	18	49	2	3	6

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Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
29-1081	Podiatrists	72	74	2	2.78%	2	2	1	5	1	3	2
29-1122	Occupational Therapists	1,299	1,368	69	5.31%	30	45	34	109	2	3	6
29-1123	Physical Therapists	2,209	2,329	120	5.43%	42	53	60	155	1	3	6
29-1124	Radiation Therapists	247	256	9	3.64%	4	8	4	16	4	3	6
29-1125	Recreational Therapists	65	66	1	1.54%	2	2	0	4	3	3	6
29-1126	Respiratory Therapists	1,146	1,204	58	5.06%	32	30	29	91	4	3	6
29-1127	Speech-Language Pathologists	2,201	2,367	166	7.54%	45	77	83	205	2	3	2
29-1128	Exercise Physiologists	65	66	1	1.54%	2	2	0	4	3	3	6
29-1129	Therapists, All Other	120	126	6	5.00%	3	4	3	10	3	3	6
29-1131	Veterinarians	667	722	55	8.25%	13	14	28	55	1	3	6
29-1141	Registered Nurses	26,402	27,107	705	2.67%	742	686	352	1,780	3	3	6
29-1151	Nurse Anesthetists	372	389	17	4.57%	6	13	8	27	2	3	6
29-1171	Nurse Practitioners	1,983	2,108	125	6.30%	40	69	62	171	2	3	6
29-1181	Audiologists	122	128	6	4.92%	2	2	3	7	1	3	6
29-1199	Health Diagnosing and Treating Practitioners, All Other	269	273	4	1.49%	8	5	2	15	2	3	6
29-2000	Health Technologists and Technicians	34,258	34,977	719	2.10%	1,044	1,440	360	2,844			
29-2010	Clinical Laboratory Technologists and Technicians	2,393	2,434	41	1.71%	66	86	20	172	3	3	6
29-2021	Dental Hygienists	1,404	1,457	53	3.77%	60	36	26	122	4	3	6
29-2031	Cardiovascular Technologists and Technicians	581	593	12	2.07%	14	18	6	38	4	3	6
29-2032	Diagnostic Medical Sonographers	599	623	24	4.01%	15	18	12	45	4	3	6
29-2033	Nuclear Medicine Technologists	178	181	3	1.69%	4	6	2	12	4	3	6
29-2034	Radiologic Technologists	2,524	2,585	61	2.42%	63	77	30	170	4	3	6
29-2035	Magnetic Resonance Imaging Technologists	343	349	6	1.75%	8	10	3	21	4	2	6
29-2041	Emergency Medical Technicians and Paramedics	2,130	2,171	41	1.92%	38	104	20	162	5	3	6
29-2051	Dietetic Technicians	167	171	4	2.40%	5	8	2	15	4	3	6
29-2052	Pharmacy Technicians	4,473	4,544	71	1.59%	130	233	36	399	7	3	4
29-2053	Psychiatric Technicians	1,038	1,092	54	5.20%	31	55	27	113	5	2	5
29-2054	Respiratory Therapy Technicians	323	290	-33	-10.22%	9	16	-16	9	4	3	6
29-2055	Surgical Technologists	1,119	1,139	20	1.79%	32	58	10	100	5	3	6
29-2056	Veterinary Technologists and Technicians	340	374	34	10.00%	10	18	17	45	4	3	6
29-2057	Ophthalmic Medical Technicians	399	418	19	4.76%	12	21	10	43	5	3	6
29-2061	Licensed Practical and Licensed Vocational Nurses	12,466	12,671	205	1.64%	426	531	102	1,059	5	3	6
29-2071	Medical Records and Health Information Technicians	1,914	1,963	49	2.56%	57	66	24	147	5	3	6

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29-2081	Opticians, Dispensing	624	640	16	2.56%	25	25	8	58	7	3	3
29-2099	Health Technologists and Technicians, All Other	1,131	1,161	30	2.65%	31	46	15	92	5	3	6
29-9000	Other Healthcare Practitioners and Technical Occupations	1,641	1,669	28	1.71%	38	55	14	107			
29-9011	Occupational Health and Safety Specialists	677	683	6	0.89%	16	22	3	41	3	3	6
29-9012	Occupational Health and Safety Technicians	219	226	7	3.20%	5	8	4	17	7	3	4
29-9099	Healthcare Practitioners and Technical Workers, All Other	602	609	7	1.16%	14	20	4	38	5	3	6
31-0000	HEALTHCARE SUPPORT OCCUPATIONS	37,308	38,441	1,133	3.04%	1,923	2,398	566	4,887			
31-1000	<i>Nursing, Psychiatric, and Home Health Aides</i>	24,835	25,361	526	2.12%	1,349	1,464	263	3,076			
31-1011	Home Health Aides	5,147	5,360	213	4.14%	282	306	106	694	7	3	5
31-1013	Psychiatric Aides	354	356	2	0.56%	19	20	1	40	7	3	5
31-1014	Nursing Assistants	18,764	19,061	297	1.58%	1,016	1,103	148	2,267	5	3	6
31-1015	Orderlies	570	584	14	2.46%	31	34	7	72	7	3	5
31-2000	<i>Occupational Therapy and Physical Therapist Assistants and Aides</i>	1,734	1,838	104	6.00%	77	139	52	268			
31-2011	Occupational Therapy Assistants	321	348	27	8.41%	14	22	14	50	4	3	6
31-2021	Physical Therapist Assistants	1,145	1,208	63	5.50%	50	95	32	177	4	3	6
31-9000	Other Healthcare Support Occupations	10,739	11,242	503	4.68%	497	796	252	1,545			
31-9011	Massage Therapists	391	407	16	4.09%	25	22	8	55	5	3	6
31-9091	Dental Assistants	2,889	3,003	114	3.95%	136	194	57	387	5	3	6
31-9092	Medical Assistants	3,862	4,066	204	5.28%	155	282	102	539	5	3	6
31-9094	Medical Transcriptionists	460	454	-6	-1.30%	28	36	-3	61	5	3	6
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	1,032	1,136	104	10.08%	59	116	52	227	7	3	5
31-9097	Phlebotomists	953	998	45	4.72%	36	67	22	125	5	3	6
31-9099	Healthcare Support Workers, All Other	606	632	26	4.29%	30	40	13	83	7	3	6
33-0000	PROTECTIVE SERVICE OCCUPATIONS	28,328	28,767	439	1.55%	1,103	1,632	220	2,955			
33-1000	<i>Supervisors of Protective Service Workers</i>	4,093	4,169	76	1.86%	114	173	38	325			

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Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
33-1011	First-Line Supervisors of Correctional Officers	522	521	-1	-0.19%	16	20	0	36	7	2	6
33-1012	First-Line Supervisors of Police and Detectives	1,788	1,828	40	2.24%	44	68	20	132	7	2	4
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	1,038	1,064	26	2.50%	26	40	13	79	5	2	4
33-1099	First-Line Supervisors of Protective Service Workers, All Other	745	756	11	1.48%	27	44	6	77	7	2	6
33-2000	Fire Fighting and Prevention Workers	2,709	2,776	67	2.47%	55	137	34	226			
33-2011	Firefighters	2,455	2,510	55	2.24%	44	124	28	196	5	3	3
33-2021	Fire Inspectors and Investigators	38	39	1	2.63%	2	2	0	4	5	1	4
33-2022	Forest Fire Inspectors and Prevention Specialists	216	227	11	5.09%	9	11	6	26	7	2	4
33-3000	Law Enforcement Workers	12,826	12,915	89	0.69%	390	616	44	1,050			
33-3012	Correctional Officers and Jailers	5,843	5,792	-51	-0.87%	222	292	-26	488	7	3	4
33-3021	Detectives and Criminal Investigators	521	528	7	1.34%	11	22	4	37	7	2	4
33-3051	Police and Sheriff's Patrol Officers	6,167	6,300	133	2.16%	150	288	66	504	7	3	4
33-9000	Other Protective Service Workers	8,700	8,907	207	2.38%	544	706	104	1,354			
33-9032	Security Guards	6,926	7,095	169	2.44%	358	544	84	986	7	3	5
33-9091	Crossing Guards	107	109	2	1.87%	12	5	1	18	8	3	5
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	504	522	18	3.57%	68	56	9	133	8	3	5
33-9093	Transportation Security Screeners	161	160	-1	-0.62%	6	8	0	14	7	3	5
33-9099	Protective Service Workers, All Other	658	660	2	0.30%	86	72	1	159	7	3	5
35-0000	FOOD PREPARATION AND SERVING RELATED OCCUPATIONS	110,140	114,182	4,042	3.67%	7,649	11,419	2,021	21,089			
35-1000	Supervisors of Food Preparation and Serving Workers	12,963	13,398	435	3.36%	566	1,432	218	2,216			
35-1011	Chefs and Head Cooks	605	630	25	4.13%	18	62	12	92	7	1	6
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	12,358	12,768	410	3.32%	548	1,370	205	2,123	7	2	6
35-2000	Cooks and Food Preparation Workers	27,188	28,077	889	3.27%	1,560	2,494	444	4,498			

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
35-2011	Cooks, Fast Food	4,142	4,152	10	0.24%	220	366	5	591	8	3	5
35-2012	Cooks, Institution and Cafeteria	6,598	6,727	129	1.96%	354	589	64	1,007	8	3	5
35-2014	Cooks, Restaurant	10,938	11,565	627	5.73%	597	994	314	1,905	8	2	4
35-2015	Cooks, Short Order	400	414	14	3.50%	22	36	7	65	8	3	5
35-2021	Food Preparation Workers	4,578	4,683	105	2.29%	340	462	52	854	8	3	5
35-3000	Food and Beverage Serving Workers	61,824	64,278	2,454	3.97%	4,798	6,705	1,227	12,730			
35-3011	Bartenders	1,977	2,056	79	4.00%	94	260	40	394	8	3	5
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,586	40,381	1,795	4.65%	3,148	3,883	898	7,929	8	3	5
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,222	1,261	39	3.19%	140	130	20	290	8	3	5
35-3031	Waiters and Waitresses	18,635	19,139	504	2.70%	1,311	2,314	252	3,877	8	3	5
35-3041	Food Servers, Nonrestaurant	1,404	1,441	37	2.64%	104	118	18	240	8	3	5
35-9000	Other Food Preparation and Serving Related Workers	8,165	8,429	264	3.23%	725	787	132	1,644			
35-9021	Dishwashers	3,451	3,530	79	2.29%	260	294	40	594	8	3	5
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,311	2,396	85	3.68%	263	276	42	581	8	3	5
37-0000	BUILDING AND GROUNDS CLEANING AND MAINTENANCE OCCUPATIONS	46,527	47,443	916	1.97%	2,653	3,450	458	6,561			
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	5,119	5,256	137	2.68%	198	378	68	644			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	2,393	2,452	59	2.47%	102	173	30	305	7	2	6
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	2,726	2,804	78	2.86%	96	206	39	341	7	2	6
37-2000	Building Cleaning and Pest Control Workers	32,554	33,071	517	1.59%	2,088	2,276	258	4,622			
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,054	19,506	452	2.37%	1,179	1,360	226	2,765	8	3	5
37-2012	Maids and Housekeeping Cleaners	12,157	12,182	25	0.21%	861	778	12	1,651	8	3	5
37-3000	Grounds Maintenance Workers	8,854	9,116	262	2.96%	368	796	131	1,295			

For training codes, refer to page 89.

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
37-3011	Landscaping and Groundskeeping Workers	7,995	8,242	247	3.09%	332	719	124	1,175	8	3	5
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	401	408	7	1.75%	16	36	4	56	7	3	4
37-3013	Tree Trimmers and Pruners	323	330	7	2.17%	14	29	4	47	7	3	5
37-3019	Grounds Maintenance Workers, All Other	135	136	1	0.74%	6	12	0	18	8	3	5
39-0000	PERSONAL CARE AND SERVICE OCCUPATIONS	48,474	50,352	1,878	3.87%	3,510	3,758	939	8,207			
39-1000	<i>Supervisors of Personal Care and Service Workers</i>	1,990	2,095	105	5.28%	82	121	52	255			
39-2000	<i>Animal Care and Service Workers</i>	3,951	4,215	264	6.68%	272	374	132	778			
39-2011	Animal Trainers	900	923	23	2.56%	51	82	12	145	7	3	4
39-2021	Nonfarm Animal Caretakers	3,051	3,292	241	7.90%	220	293	120	633	7	3	5
39-3000	<i>Entertainment Attendants and Related Workers</i>	2,446	2,704	258	10.55%	280	304	129	713			
39-3031	Ushers, Lobby Attendants, and Ticket Takers	651	700	49	7.53%	88	76	24	188	8	3	5
39-3091	Amusement and Recreation Attendants	1,525	1,583	58	3.80%	166	192	29	387	8	3	5
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	84	88	4	4.76%	9	10	2	21	7	3	5
39-4000	<i>Funeral Service Workers</i>	923	930	7	0.76%	68	62	4	134			
39-4011	Embalmers	142	142	0	0.00%	14	10	0	24	4	3	3
39-4021	Funeral Attendants	331	334	3	0.91%	31	22	2	55	7	3	5
39-4031	Morticians, Undertakers, and Funeral Directors	450	454	4	0.89%	23	31	2	56	4	3	3
39-5000	<i>Personal Appearance Workers</i>	4,038	4,117	79	1.96%	240	256	40	536			
39-5012	Hairdressers, Hairstylists, and Cosmetologists	3,112	3,168	56	1.80%	190	200	28	418	5	3	6
39-5092	Manicurists and Pedicurists	243	249	6	2.47%	14	14	3	31	5	3	6
39-5094	Skincare Specialists	306	314	8	2.61%	17	18	4	39	5	3	6
39-6000	<i>Baggage Porters, Bellhops, and Concierges</i>	148	157	9	6.08%	8	14	4	26			
39-7000	<i>Tour and Travel Guides</i>	301	312	11	3.65%	24	30	6	60			
39-7010	Tour and Travel Guides	301	312	11	3.65%	24	30	6	60	7	3	4
39-9000	<i>Other Personal Care and Service Workers</i>	34,677	35,822	1,145	3.30%	2,536	2,595	572	5,703			
39-9011	Childcare Workers	11,527	11,713	186	1.61%	859	874	93	1,826	7	3	5
39-9021	Personal Care Aides	18,461	19,293	832	4.51%	1,395	1,236	416	3,047	7	3	5

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
39-9031	Fitness Trainers and Aerobics Instructors	1,302	1,351	49	3.76%	79	141	24	244	7	3	5
39-9032	Recreation Workers	1,947	1,990	43	2.21%	118	210	22	350	7	3	5
39-9041	Residential Advisors	834	853	19	2.28%	46	82	10	138	7	3	5
39-9099	Personal Care and Service Workers, All Other	606	622	16	2.64%	38	52	8	98	7	3	5
41-0000	SALES AND RELATED OCCUPATIONS	143,589	145,587	1,998	1.39%	7,740	12,007	999	20,746			
41-1000	Supervisors of Sales Workers	20,755	20,811	56	0.27%	708	1,515	28	2,251			
41-1011	First-Line Supervisors of Retail Sales Workers	16,549	16,564	15	0.09%	572	1,248	8	1,828	7	2	6
41-1012	First-Line Supervisors of Non-Retail Sales Workers	4,206	4,247	41	0.97%	136	267	20	423	7	2	6
41-2000	Retail Sales Workers	77,581	77,798	217	0.28%	5,361	7,138	108	12,607			
41-2011	Cashiers	31,072	30,964	-108	-0.35%	2,768	3,083	-54	5,797	8	3	5
41-2031	Retail Salespersons	38,618	38,747	129	0.33%	2,223	3,428	64	5,715	8	3	5
41-3000	Sales Representatives, Services	22,160	23,414	1,254	5.66%	788	1,601	627	3,016			
41-3011	Advertising Sales Agents	1,059	1,043	-16	-1.51%	33	110	-8	135	7	3	4
41-3021	Insurance Sales Agents	15,008	16,115	1,107	7.38%	573	940	554	2,067	7	3	4
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,531	1,572	41	2.68%	40	107	20	167	3	3	4
41-3041	Travel Agents	186	186	0	0.00%	11	14	0	25	7	3	4
41-3099	Sales Representatives, Services, All Other	4,376	4,498	122	2.79%	131	431	61	623	7	3	4
41-4000	Sales Representatives, Wholesale and Manufacturing	15,984	16,383	399	2.50%	492	1,205	200	1,897			
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	2,759	2,829	70	2.54%	85	208	35	328	3	3	4
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	13,225	13,554	329	2.49%	408	997	164	1,569	7	3	4
41-9000	Other Sales and Related Workers	7,109	7,181	72	1.01%	390	548	36	974			
41-9021	Real Estate Brokers	597	614	17	2.85%	28	30	8	66	7	2	6
41-9022	Real Estate Sales Agents	1,962	2,014	52	2.65%	90	99	26	215	7	3	4
41-9031	Sales Engineers	201	204	3	1.49%	5	18	2	25	3	3	4
41-9041	Telemarketers	2,304	2,271	-33	-1.43%	110	249	-16	343	8	3	5
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	293	289	-4	-1.37%	20	16	-2	34	8	3	5

For training codes, refer to page 89.

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
43-0000	OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS	181,720	183,291	1,571	0.86%	8,912	12,496	786	22,194			
43-1000	<i>Supervisors of Office and Administrative Support Workers</i>	15,398	15,541	143	0.93%	580	1,040	72	1,692			
43-1011	First-Line Supervisors of Office and Administrative Support Workers	15,398	15,541	143	0.93%	580	1,040	72	1,692	7	2	6
43-2000	<i>Communications Equipment Operators</i>	589	570	-19	-3.23%	33	40	-10	63			
43-2011	Switchboard Operators, Including Answering Service	547	529	-18	-3.29%	31	36	-9	58	7	3	5
43-3000	<i>Financial Clerks</i>	27,234	27,490	256	0.94%	1,433	1,729	128	3,290			
43-3011	Bill and Account Collectors	1,566	1,570	4	0.26%	61	126	2	189	7	3	4
43-3021	Billing and Posting Clerks	4,308	4,453	145	3.37%	180	296	72	548	7	3	4
43-3031	Bookkeeping, Accounting, and Auditing Clerks	13,637	13,689	52	0.38%	832	760	26	1,618	6	3	4
43-3051	Payroll and Timekeeping Clerks	1,090	1,097	7	0.64%	52	68	4	124	7	3	4
43-3061	Procurement Clerks	881	883	2	0.23%	30	62	1	93	7	3	4
43-3071	Tellers	5,356	5,394	38	0.71%	264	384	19	667	7	3	5
43-4000	<i>Information and Record Clerks</i>	41,190	41,943	753	1.83%	2,079	3,278	376	5,733			
43-4011	Brokerage Clerks	137	139	2	1.46%	6	8	1	15	7	3	4
43-4021	Correspondence Clerks	29	29	0	0.00%	1	2	0	3	7	3	5
43-4031	Court, Municipal, and License Clerks	1,034	1,055	21	2.03%	48	50	10	108	7	3	3
43-4041	Credit Authorizers, Checkers, and Clerks	86	86	0	0.00%	2	6	0	8	7	3	4
43-4051	Customer Service Representatives	16,514	16,704	190	1.15%	798	1,416	95	2,309	7	3	5
43-4061	Eligibility Interviewers, Government Programs	1,857	1,869	12	0.65%	72	105	6	183	7	3	4
43-4071	File Clerks	512	505	-7	-1.37%	30	34	-4	60	7	3	5
43-4081	Hotel, Motel, and Resort Desk Clerks	2,386	2,434	48	2.01%	132	276	24	432	7	3	5
43-4111	Interviewers, Except Eligibility and Loan	2,082	2,133	51	2.45%	107	152	26	285	7	3	5
43-4121	Library Assistants, Clerical	543	542	-1	-0.18%	43	38	0	81	7	3	5
43-4131	Loan Interviewers and Clerks	2,346	2,447	101	4.31%	90	154	50	294	7	3	5
43-4141	New Accounts Clerks	483	492	9	1.86%	20	36	4	60	7	3	4
43-4151	Order Clerks	692	692	0	0.00%	29	50	0	79	6	3	5
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	885	879	-6	-0.68%	32	68	-3	97	4	3	6

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
43-4171	Receptionists and Information Clerks	10,129	10,443	314	3.10%	598	783	157	1,538	7	3	5
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	216	223	7	3.24%	9	16	4	29	7	3	5
43-4199	Information and Record Clerks, All Other	1,259	1,271	12	0.95%	62	85	6	153	7	3	5
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	37,378	37,627	249	0.67%	1,626	2,620	124	4,370			
43-5011	Cargo and Freight Agents	966	1,041	75	7.76%	36	60	38	134	7	3	5
43-5021	Couriers and Messengers	577	593	16	2.77%	23	32	8	63	7	3	5
43-5031	Police, Fire, and Ambulance Dispatchers	1,001	1,024	23	2.30%	36	60	12	108	7	3	4
43-5032	Dispatchers, Except Police, Fire, and Ambulance	1,846	1,907	61	3.30%	66	112	30	208	7	3	4
43-5041	Meter Readers, Utilities	721	705	-16	-2.22%	30	40	-8	62	7	3	5
43-5051	Postal Service Clerks	1,047	1,056	9	0.86%	44	36	4	84	7	3	5
43-5052	Postal Service Mail Carriers	3,262	3,289	27	0.83%	120	124	14	258	7	3	5
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	519	519	0	0.00%	24	19	0	43	7	3	5
43-5061	Production, Planning, and Expediting Clerks	3,413	3,464	51	1.49%	114	244	26	384	7	3	4
43-5071	Shipping, Receiving, and Traffic Clerks	4,462	4,476	14	0.31%	150	294	7	451	7	3	5
43-5081	Stock Clerks and Order Fillers	18,583	18,564	-19	-0.10%	940	1,532	-10	2,462	7	3	5
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	981	989	8	0.82%	45	67	4	116	7	3	5
43-6000	Secretaries and Administrative Assistants	24,810	24,739	-71	-0.29%	1,270	1,504	-36	2,738			
43-6011	Executive Secretaries and Executive Administrative Assistants	2,614	2,549	-65	-2.49%	132	156	-32	256	7	2	6
43-6012	Legal Secretaries	1,126	1,096	-30	-2.66%	57	68	-15	110	7	3	4
43-6013	Medical Secretaries	3,572	3,704	132	3.70%	186	221	66	473	7	3	4
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	17,498	17,390	-108	-0.62%	894	1,058	-54	1,898	7	3	5
43-9000	Other Office and Administrative Support Workers	35,121	35,381	260	0.74%	1,892	2,284	130	4,306			
43-9011	Computer Operators	313	303	-10	-3.19%	15	22	-5	32	7	3	4
43-9021	Data Entry Keyers	1,333	1,295	-38	-2.85%	59	92	-19	132	7	3	5
43-9022	Word Processors and Typists	185	177	-8	-4.32%	11	11	-4	18	7	3	5
43-9031	Desktop Publishers	21	21	0	0.00%	1	2	0	3	4	3	5

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
43-9041	Insurance Claims and Policy Processing Clerks	1,454	1,516	62	4.26%	55	93	31	179	7	3	4
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	502	494	-8	-1.59%	24	31	-4	51	7	3	5
43-9061	Office Clerks, General	28,610	28,808	198	0.69%	1,605	1,832	99	3,536	7	3	5
43-9071	Office Machine Operators, Except Computer	280	282	2	0.71%	17	19	1	37	7	3	5
43-9081	Proofreaders and Copy Markers	29	29	0	0.00%	2	2	0	4	3	3	6
43-9111	Statistical Assistants	30	30	0	0.00%	2	2	0	4	3	3	6
43-9199	Office and Administrative Support Workers, All Other	2,364	2,426	62	2.62%	101	178	31	310	7	3	5
45-0000	FARMING, FISHING, AND FORESTRY OCCUPATIONS	17,527	17,058	-469	-2.68%	682	2,083	-234	2,531			
45-1000	<i>Supervisors of Farming, Fishing, and Forestry Workers</i>	966	949	-17	-1.76%	34	106	-8	132			
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	966	949	-17	-1.76%	34	106	-8	132	7	2	6
45-2000	<i>Agricultural Workers</i>	13,473	13,090	-383	-2.84%	528	1,602	-192	1,938			
45-2011	Agricultural Inspectors	436	437	1	0.23%	18	45	0	63	3	3	4
45-2041	Graders and Sorters, Agricultural Products	1,704	1,695	-9	-0.53%	68	180	-4	244	8	3	5
45-2091	Agricultural Equipment Operators	1,073	1,071	-2	-0.19%	42	132	-1	173	8	3	4
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	5,425	5,242	-183	-3.37%	212	659	-92	779	8	3	5
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	4,102	3,907	-195	-4.75%	159	495	-98	556	8	3	5
45-4000	<i>Forest, Conservation, and Logging Workers</i>	3,088	3,019	-69	-2.23%	120	374	-34	460			
45-4011	Forest and Conservation Workers	272	277	5	1.84%	10	38	2	50	7	3	4
45-4021	Fallers	127	121	-6	-4.72%	5	15	-3	17	7	3	4
45-4022	Logging Equipment Operators	1,730	1,691	-39	-2.25%	67	206	-20	253	7	3	4
45-4023	Log Graders and Scalers	273	271	-2	-0.73%	10	33	-1	42	7	3	4
45-4029	Logging Workers, All Other	686	659	-27	-3.94%	26	82	-14	94	7	3	4
47-0000	CONSTRUCTION AND EXTRACTION OCCUPATIONS	51,727	53,309	1,582	3.06%	1,710	4,156	791	6,657			
47-1000	<i>Supervisors of Construction and Extraction Workers</i>	5,265	5,419	154	2.92%	159	396	77	632			

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	5,265	5,419	154	2.92%	159	396	77	632	7	1	6
47-2000	Construction Trades Workers	37,336	38,599	1,263	3.38%	1,199	2,980	632	4,811			
47-2011	Boilermakers	201	205	4	1.99%	6	15	2	23	7	3	1
47-2021	Brickmasons and Blockmasons	623	650	27	4.33%	18	46	14	78	7	3	1
47-2031	Carpenters	5,750	5,906	156	2.71%	182	421	78	681	7	3	1
47-2041	Carpet Installers	154	157	3	1.95%	4	10	2	16	8	3	5
47-2043	Floor Sanders and Finishers	223	227	4	1.79%	6	16	2	24	8	3	4
47-2044	Tile and Marble Setters	265	275	10	3.77%	8	18	5	31	8	3	3
47-2051	Cement Masons and Concrete Finishers	1,751	1,820	69	3.94%	52	135	34	221	8	3	4
47-2061	Construction Laborers	7,187	7,370	183	2.55%	244	566	92	902	8	3	5
47-2071	Paving, Surfacing, and Tamping Equipment Operators	1,039	1,060	21	2.02%	47	84	10	141	7	3	4
47-2073	Operating Engineers and Other Construction Equipment Operators	3,597	3,667	70	1.95%	124	296	35	455	7	3	4
47-2081	Drywall and Ceiling Tile Installers	369	370	1	0.27%	11	26	0	37	8	3	4
47-2111	Electricians	6,315	6,618	303	4.80%	198	550	152	900	7	3	1
47-2121	Glaziers	447	471	24	5.37%	15	38	12	65	7	3	1
47-2131	Insulation Workers, Floor, Ceiling, and Wall	299	303	4	1.34%	7	28	2	37	8	3	5
47-2132	Insulation Workers, Mechanical	129	136	7	5.43%	3	12	4	19	7	3	1
47-2141	Painters, Construction and Maintenance	1,802	1,829	27	1.50%	63	121	14	198	8	3	4
47-2152	Plumbers, Pipefitters, and Steamfitters	3,578	3,778	200	5.59%	108	300	100	508	7	3	1
47-2171	Reinforcing Iron and Rebar Workers	128	133	5	3.91%	3	12	2	17	7	3	1
47-2181	Roofers	894	939	45	5.03%	24	71	22	117	8	3	4
47-2211	Sheet Metal Workers	1,156	1,211	55	4.76%	35	93	28	156	7	3	1
47-2221	Structural Iron and Steel Workers	864	894	30	3.47%	24	80	15	119	7	3	1
47-3000	Helpers, Construction Trades	2,141	2,226	85	3.97%	72	222	42	336			
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	282	295	13	4.61%	10	30	6	46	8	3	5
47-3012	Helpers--Carpenters	300	312	12	4.00%	10	31	6	47	8	3	5
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	126	127	1	0.79%	4	13	0	17	8	3	5
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	499	525	26	5.21%	17	52	13	82	7	3	5

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Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
47-3019	Helpers, Construction Trades, All Other	439	450	11	2.51%	14	46	6	66	8	3	5
47-4000	<i>Other Construction and Related Workers</i>	5,360	5,476	116	2.16%	230	392	58	680			
47-4011	Construction and Building Inspectors	986	1,010	24	2.43%	55	68	12	135	7	1	4
47-4021	Elevator Installers and Repairers	85	90	5	5.88%	3	7	2	12	7	3	1
47-4031	Fence Erectors	370	381	11	2.97%	14	30	6	50	8	3	4
47-4041	Hazardous Materials Removal Workers	191	204	13	6.81%	8	16	6	30	7	3	4
47-4051	Highway Maintenance Workers	3,323	3,372	49	1.47%	135	236	24	395	7	3	4
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	152	162	10	6.58%	4	13	5	22	7	3	4
47-4090	Miscellaneous Construction and Related Workers	188	191	3	1.60%	6	17	2	25	7	3	4
47-5000	Extraction Workers	1,625	1,589	-36	-2.22%	50	166	-18	198			
47-5011	Derrick Operators, Oil and Gas	64	62	-2	-3.13%	2	7	-1	8	8	3	5
47-5013	Service Unit Operators, Oil, Gas, and Mining	525	505	-20	-3.81%	14	58	-10	62	8	3	4
47-5021	Earth Drillers, Except Oil and Gas	102	105	3	2.94%	4	10	2	16	7	3	4
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	180	178	-2	-1.11%	7	16	-1	22	7	2	3
47-5041	Continuous Mining Machine Operators	158	156	-2	-1.27%	6	14	-1	19	8	3	4
47-5051	Rock Splitters, Quarry	102	100	-2	-1.96%	4	10	-1	13	8	3	5
47-5071	Roustabouts, Oil and Gas	347	339	-8	-2.31%	10	36	-4	42	8	3	4
47-5081	Helpers--Extraction Workers	77	76	-1	-1.30%	2	8	0	10	7	3	4
49-0000	INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS	60,859	62,202	1,343	2.21%	1,915	4,075	672	6,662			
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	6,036	6,156	120	1.99%	191	368	60	619			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	6,036	6,156	120	1.99%	191	368	60	619	7	2	6
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	5,571	5,634	63	1.13%	146	447	32	625			
49-2011	Computer, Automated Teller, and Office Machine Repairers	1,097	1,108	11	1.00%	30	86	6	122	6	3	5

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Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	25	26	1	4.00%	0	2	0	2	4	3	4
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1,815	1,809	-6	-0.33%	50	149	-3	196	5	3	4
49-2091	Avionics Technicians	52	51	-1	-1.92%	1	2	0	3	4	3	6
49-2092	Electric Motor, Power Tool, and Related Repairers	238	236	-2	-0.84%	8	16	-1	23	7	2	4
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	276	300	24	8.70%	5	20	12	37	5	3	3
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	530	540	10	1.89%	10	37	5	52	5	3	3
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	224	218	-6	-2.68%	4	16	-3	17	5	2	4
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	509	510	1	0.20%	12	44	0	56	5	3	5
49-2098	Security and Fire Alarm Systems Installers	794	826	32	4.03%	23	74	16	113	7	3	4
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	17,848	18,226	378	2.12%	526	1,227	189	1,942			
49-3011	Aircraft Mechanics and Service Technicians	671	698	27	4.02%	18	38	14	70	5	3	6
49-3021	Automotive Body and Related Repairers	1,602	1,647	45	2.81%	52	104	22	178	7	3	3
49-3023	Automotive Service Technicians and Mechanics	6,872	6,924	52	0.76%	188	484	26	698	5	3	5
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	3,716	3,830	114	3.07%	105	244	57	406	7	3	3
49-3041	Farm Equipment Mechanics and Service Technicians	966	995	29	3.00%	30	67	14	111	7	3	3
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1,281	1,304	23	1.80%	40	88	12	140	7	3	3
49-3043	Rail Car Repairers	295	312	17	5.76%	10	20	8	38	7	3	3
49-3051	Motorboat Mechanics and Service Technicians	194	206	12	6.19%	8	12	6	26	7	3	3
49-3052	Motorcycle Mechanics	227	236	9	3.96%	9	14	4	27	5	3	5
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	367	375	8	2.18%	14	22	4	40	7	3	4

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
49-3092	Recreational Vehicle Service Technicians	175	183	8	4.57%	6	14	4	24	7	3	3
49-3093	Tire Repairers and Changers	1,321	1,348	27	2.04%	40	106	14	160	7	3	5
49-9000	Other Installation, Maintenance, and Repair Occupations	31,404	32,186	782	2.49%	1,053	2,032	391	3,476			
49-9011	Mechanical Door Repairers	457	481	24	5.25%	12	28	12	52	7	3	4
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	437	424	-13	-2.97%	11	26	-6	31	7	3	4
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	3,116	3,289	173	5.55%	88	226	86	400	5	3	3
49-9031	Home Appliance Repairers	195	196	1	0.51%	9	12	0	21	7	3	4
49-9041	Industrial Machinery Mechanics	6,192	6,324	132	2.13%	196	377	66	639	7	3	3
49-9043	Maintenance Workers, Machinery	1,111	1,146	35	3.15%	42	60	18	120	7	3	3
49-9044	Millwrights	434	443	9	2.07%	12	26	4	42	7	3	1
49-9051	Electrical Power-Line Installers and Repairers	2,121	2,129	8	0.38%	52	127	4	183	7	3	3
49-9052	Telecommunications Line Installers and Repairers	1,371	1,402	31	2.26%	32	122	16	170	7	3	3
49-9062	Medical Equipment Repairers	439	450	11	2.51%	19	28	6	53	4	3	4
49-9069	Precision Instrument and Equipment Repairers, All Other	181	185	4	2.21%	8	12	2	22	7	3	3
49-9071	Maintenance and Repair Workers, General	12,137	12,398	261	2.15%	430	759	130	1,319	7	3	4
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	254	243	-11	-4.33%	10	19	-6	23	7	3	5
49-9094	Locksmiths and Safe Repairers	221	221	0	0.00%	10	13	0	23	7	3	3
49-9096	Riggers	211	239	28	13.27%	5	17	14	36	7	3	4
49-9098	Helpers--Installation, Maintenance, and Repair Workers	1,107	1,153	46	4.16%	60	84	23	167	7	3	5
49-9099	Installation, Maintenance, and Repair Workers, All Other	1,277	1,315	38	2.98%	50	88	19	157	7	3	4
51-0000	PRODUCTION OCCUPATIONS	122,324	122,783	459	0.38%	4,836	9,572	230	14,638			
51-1000	Supervisors of Production Workers	9,040	9,129	89	0.98%	288	640	44	972			
51-1011	First-Line Supervisors of Production and Operating Workers	9,040	9,129	89	0.98%	288	640	44	972	7	2	6
51-2000	Assemblers and Fabricators	17,286	17,101	-185	-1.07%	684	1,293	-92	1,885			

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
51-2021	Coil Winders, Tapers, and Finishers	354	317	-37	-10.45%	14	24	-18	20	7	3	4
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	1,799	1,793	-6	-0.33%	77	127	-3	201	7	3	4
51-2041	Structural Metal Fabricators and Fitters	1,059	1,046	-13	-1.23%	26	84	-6	104	7	3	4
51-2091	Fiberglass Laminators and Fabricators	543	604	61	11.23%	24	44	30	98	7	3	4
51-2098	Assemblers and Fabricators, All Other, Including Team Assemblers	13,199	13,002	-197	-1.49%	536	990	-98	1,428	7	3	4
51-3000	Food Processing Workers	19,680	19,917	237	1.20%	878	1,577	118	2,573			
51-3011	Bakers	1,050	1,067	17	1.62%	62	84	8	154	8	3	3
51-3021	Butchers and Meat Cutters	882	870	-12	-1.36%	36	72	-6	102	8	3	3
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	7,531	7,630	99	1.31%	310	626	50	986	8	3	5
51-3023	Slaughterers and Meat Packers	1,678	1,701	23	1.37%	70	140	12	222	8	3	5
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	80	83	3	3.75%	4	6	2	12	8	3	4
51-3092	Food Batchmakers	2,152	2,173	21	0.98%	130	190	10	330	7	3	4
51-3093	Food Cooking Machine Operators and Tenders	953	977	24	2.52%	62	89	12	163	7	3	4
51-3099	Food Processing Workers, All Other	5,354	5,416	62	1.16%	203	370	31	604	8	3	4
51-4000	Metal Workers and Plastic Workers	21,471	21,832	361	1.68%	680	1,674	180	2,534			
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	1,024	1,026	2	0.20%	30	76	1	107	7	3	4
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	97	106	9	9.28%	3	8	4	15	5	3	4
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	1,385	1,391	6	0.43%	40	134	3	177	7	3	4
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	581	606	25	4.30%	16	40	12	68	7	3	4
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	2,193	2,179	-14	-0.64%	82	162	-7	237	7	3	4

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	43	39	-4	-9.30%	2	3	-2	3	7	3	4
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	805	776	-29	-3.60%	34	56	-14	76	7	3	4
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	469	463	-6	-1.28%	22	30	-3	49	7	3	4
51-4041	Machinists	2,906	2,966	60	2.06%	98	200	30	328	7	3	3
51-4051	Metal-Refining Furnace Operators and Tenders	360	380	20	5.56%	13	30	10	53	7	3	4
51-4052	Pourers and Casters, Metal	83	91	8	9.64%	3	7	4	14	7	3	4
51-4071	Foundry Mold and Coremakers	90	76	-14	-15.56%	2	6	-7	1	7	3	4
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,838	1,809	-29	-1.58%	56	144	-14	186	7	3	4
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,322	1,341	19	1.44%	46	93	10	149	7	3	4
51-4111	Tool and Die Makers	568	573	5	0.88%	21	36	2	59	5	3	3
51-4121	Welders, Cutters, Solderers, and Brazers	5,961	6,255	294	4.93%	156	513	147	816	7	3	4
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	737	744	7	0.95%	19	62	4	85	7	3	4
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	504	511	7	1.39%	18	36	4	58	7	3	4
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	124	122	-2	-1.61%	4	10	-1	13	7	3	4
51-4194	Tool Grinders, Filers, and Sharpeners	158	160	2	1.27%	11	12	1	24	7	3	4
51-5100	Printing Workers	2,396	2,297	-99	-4.13%	94	167	-50	211			
51-5111	Prepress Technicians and Workers	179	166	-13	-7.26%	6	14	-6	14	5	3	6
51-5112	Printing Press Operators	2,015	1,936	-79	-3.92%	75	138	-40	173	7	3	4
51-5113	Print Binding and Finishing Workers	202	195	-7	-3.47%	13	14	-4	23	7	3	4

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Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
51-6000	<i>Textile, Apparel, and Furnishings Workers</i>	5,162	5,306	144	2.79%	307	347	72	726			
51-6011	Laundry and Dry-Cleaning Workers	2,057	2,061	4	0.19%	128	146	2	276	8	3	5
51-6021	Pressers, Textile, Garment, and Related Materials	259	232	-27	-10.42%	14	16	-14	16	8	3	5
51-6031	Sewing Machine Operators	1,057	1,245	188	17.79%	67	62	94	223	8	3	5
51-6052	Tailors, Dressmakers, and Custom Sewers	98	105	7	7.14%	8	5	4	17	8	3	4
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	36	37	1	2.78%	2	2	0	4	7	3	4
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	115	137	22	19.13%	7	10	11	28	7	3	4
51-6093	Upholsterers	374	372	-2	-0.53%	16	23	-1	38	7	3	4
51-6099	Textile, Apparel, and Furnishings Workers, All Other	43	43	0	0.00%	2	4	0	6	7	3	5
51-7000	<i>Woodworkers</i>	4,166	4,123	-43	-1.03%	170	321	-22	469			
51-7011	Cabinetmakers and Bench Carpenters	1,431	1,413	-18	-1.26%	60	88	-9	139	7	3	4
51-7021	Furniture Finishers	100	99	-1	-1.00%	5	6	0	11	7	3	5
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	1,460	1,447	-13	-0.89%	42	126	-6	162	7	3	4
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1,168	1,157	-11	-0.94%	62	100	-6	156	7	3	4
51-8000	<i>Plant and System Operators</i>	4,652	4,606	-46	-0.99%	132	315	-23	424			
51-8012	Power Distributors and Dispatchers	296	289	-7	-2.36%	6	21	-4	23	7	3	3
51-8013	Power Plant Operators	226	218	-8	-3.54%	4	16	-4	16	7	3	3
51-8021	Stationary Engineers and Boiler Operators	634	619	-15	-2.37%	20	46	-8	58	7	3	3
51-8031	Water and Wastewater Treatment Plant and System Operators	2,604	2,614	10	0.38%	80	157	5	242	7	3	3
51-8091	Chemical Plant and System Operators	214	210	-4	-1.87%	5	18	-2	21	7	3	4
51-8092	Gas Plant Operators	175	156	-19	-10.86%	4	14	-10	8	7	3	3
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	327	331	4	1.22%	8	28	2	38	7	3	4
51-9000	<i>Other Production Occupations</i>	38,471	38,472	1	0.00%	1,603	3,238	0	4,841			
51-9011	Chemical Equipment Operators and Tenders	1,183	1,159	-24	-2.03%	30	104	-12	122	7	3	4

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Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	463	457	-6	-1.30%	12	41	-3	50	7	3	4
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	446	452	6	1.35%	14	38	3	55	7	3	4
51-9022	Grinding and Polishing Workers, Hand	548	555	7	1.28%	16	48	4	68	8	3	4
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	1,838	1,823	-15	-0.82%	56	158	-8	206	7	3	4
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	924	914	-10	-1.08%	38	75	-5	108	7	3	4
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	1,214	1,188	-26	-2.14%	47	84	-13	118	7	3	4
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	475	479	4	0.84%	21	30	2	53	7	3	4
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	6,930	6,691	-239	-3.45%	270	569	-120	719	7	3	4
51-9071	Jewelers and Precious Stone and Metal Workers	310	307	-3	-0.97%	18	20	-2	36	7	3	3
51-9081	Dental Laboratory Technicians	382	401	19	4.97%	18	31	10	59	7	3	4
51-9082	Medical Appliance Technicians	103	107	4	3.88%	4	8	2	14	7	3	4
51-9083	Ophthalmic Laboratory Technicians	200	209	9	4.50%	9	16	4	29	7	3	4
51-9111	Packaging and Filling Machine Operators and Tenders	3,648	3,652	4	0.11%	161	263	2	426	7	3	4
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1,044	1,066	22	2.11%	32	83	11	126	7	3	4
51-9122	Painters, Transportation Equipment	651	690	39	5.99%	20	53	20	93	7	3	4
51-9123	Painting, Coating, and Decorating Workers	105	106	1	0.95%	3	8	0	11	8	3	4
51-9191	Adhesive Bonding Machine Operators and Tenders	368	356	-12	-3.26%	12	36	-6	42	7	3	4
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	255	256	1	0.39%	16	24	0	40	7	3	4
51-9193	Cooling and Freezing Equipment Operators and Tenders	529	536	7	1.32%	20	42	4	66	7	3	4
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	365	370	5	1.37%	14	26	2	42	7	3	3

2019-2021 Arkansas Statewide Occupational Projections

Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	2,150	2,000	-150	-6.98%	64	160	-75	149	7	3	4
51-9198	Helpers--Production Workers	10,821	11,171	350	3.23%	585	1,036	175	1,796	7	3	5
51-9199	Production Workers, All Other	2,409	2,412	3	0.12%	90	189	2	281	7	3	4
53-0000	TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	113,217	115,909	2,692	2.38%	5,125	8,918	1,346	15,389			
53-1000	<i>Supervisors of Transportation and Material Moving Workers</i>	4,120	4,234	114	2.77%	132	313	57	502			
53-2000	<i>Air Transportation Workers</i>	690	706	16	2.32%	18	51	8	77			
53-2012	Commercial Pilots	514	527	13	2.53%	14	38	6	58	7	3	4
53-2021	Air Traffic Controllers	110	112	2	1.82%	2	8	1	11	4	3	3
53-3000	<i>Motor Vehicle Operators</i>	60,128	61,969	1,841	3.06%	2,817	4,204	920	7,941			
53-3021	Bus Drivers, Transit and Intercity	492	510	18	3.66%	39	24	9	72	7	3	4
53-3022	Bus Drivers, School or Special Client	6,290	6,347	57	0.91%	490	307	28	825	7	3	5
53-3031	Driver/Sales Workers	3,243	3,234	-9	-0.28%	134	235	-4	365	7	3	5
53-3032	Heavy and Tractor-Trailer Truck Drivers	38,356	39,543	1,187	3.09%	1,604	2,825	594	5,023	5	3	5
53-3033	Light Truck or Delivery Services Drivers	8,234	8,601	367	4.46%	346	610	184	1,140	7	3	5
53-3041	Taxi Drivers and Chauffeurs	3,286	3,503	217	6.60%	182	186	108	476	8	3	5
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	111	123	12	10.81%	3	8	6	17	7	3	4
53-4021	Railroad Brake, Signal, and Switch Operators	108	119	11	10.19%	2	8	6	16	7	3	4
53-5011	Sailors and Marine Oilers	98	102	4	4.08%	3	10	2	15	8	3	4
53-6000	<i>Other Transportation Workers</i>	2,554	2,601	47	1.84%	118	240	24	382			
53-6011	Bridge and Lock Tenders	60	60	0	0.00%	2	4	0	6	7	3	5
53-6021	Parking Lot Attendants	446	458	12	2.69%	23	46	6	75	8	3	5
53-6031	Automotive and Watercraft Service Attendants	1,469	1,481	12	0.82%	66	152	6	224	8	3	5
53-6051	Transportation Inspectors	289	298	9	3.11%	9	20	4	33	7	3	4
53-6061	Transportation Attendants, Except Flight Attendants	197	208	11	5.58%	16	11	6	33	7	3	5
53-7000	<i>Material Moving Workers</i>	44,482	45,119	637	1.43%	2,008	4,018	318	6,344			
53-7011	Conveyor Operators and Tenders	352	352	0	0.00%	12	30	0	42	8	3	5
53-7021	Crane and Tower Operators	524	551	27	5.15%	17	46	14	77	7	2	4
53-7032	Excavating and Loading Machine and Dragline Operators	416	421	5	1.20%	15	34	2	51	7	2	4

For training codes, refer to page 89.

2019-2021 Arkansas Statewide Occupational Projections

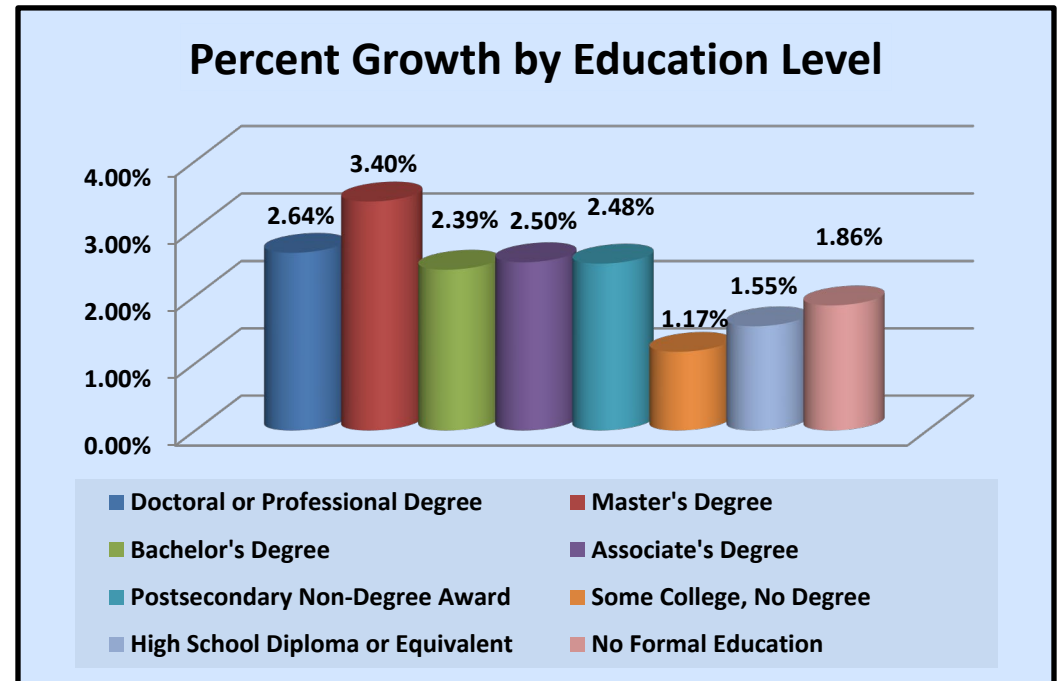
Standard Occupational Classification		Employment		Change		Annual Separations		Annual Openings		Education/Training Codes		
Code	Title	2019 Estimated	2021 Projected	Numeric	Percent	Exits	Transfers	Change	Total	Education	Work Experience	Job Training
53-7051	Industrial Truck and Tractor Operators	7,641	7,666	25	0.33%	229	632	12	873	8	3	5
53-7061	Cleaners of Vehicles and Equipment	4,739	4,816	77	1.62%	238	458	38	734	8	3	5
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,854	22,300	446	2.04%	997	2,070	223	3,290	8	3	5
53-7063	Machine Feeders and Offbearers	2,154	2,148	-6	-0.28%	108	176	-3	281	8	3	5
53-7064	Packers and Packagers, Hand	4,701	4,697	-4	-0.09%	281	396	-2	675	8	3	5
53-7073	Wellhead Pumpers	59	58	-1	-1.69%	2	5	0	7	7	2	4
53-7081	Refuse and Recyclable Material Collectors	1,770	1,827	57	3.22%	98	150	28	276	8	3	5
53-7121	Tank Car, Truck, and Ship Loaders	45	46	1	2.22%	2	4	0	6	8	3	5
53-7199	Material Moving Workers, All Other	116	117	1	0.86%	6	9	0	15	8	3	5

2019-2021 Projections by Education Level

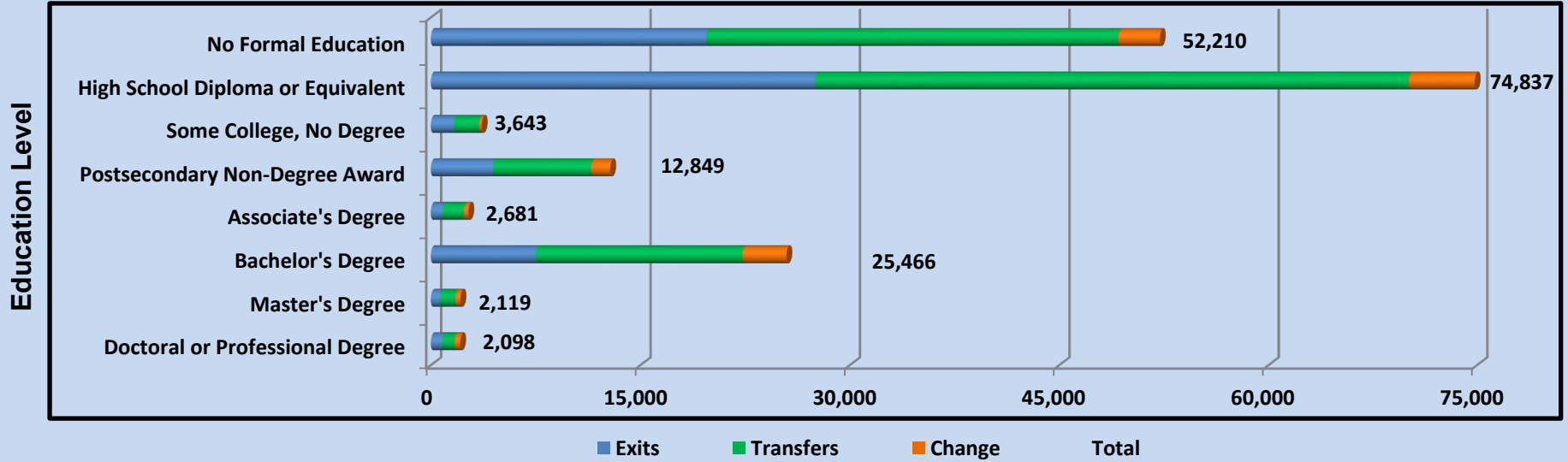
Education	2019 Estimated Employment	2021 Projected Employment	Numeric Change	Percent Change	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings
Doctoral or Professional Degree	30,167	30,963	796	2.64%	790	912	396	2,098
Master's Degree	21,721	22,459	738	3.40%	636	1,117	366	2,119
Bachelor's Degree	264,984	271,304	6,320	2.39%	7,485	14,822	3,159	25,466
Associate's Degree	26,017	26,668	651	2.50%	822	1,533	326	2,681
Postsecondary Non-Degree Award	110,509	113,253	2,744	2.48%	4,446	7,034	1,369	12,849
Some College, No Degree	32,045	32,421	376	1.17%	1,633	1,822	188	3,643
High School Diploma or Equivalent	610,352	619,836	9,484	1.55%	27,498	42,598	4,741	74,837
No Formal Educational Credential	320,984	326,948	5,964	1.86%	19,710	29,525	2,975	52,210

Education Outlook

Every education category is projected to see positive net growth between 2019 and 2021. Occupations requiring a high school diploma, or its equivalent, are expected to add 9,484 new jobs and 74,837 annual job openings, while those that do not require formal education are estimated to add 5,964 jobs and have 52,210 annual job openings. At 3.40 percent, occupations requiring a Master's Degree are growing the fastest. Occupations requiring a college degree are forecast to add 8,505 jobs into the Arkansas job market and have a combined 32,364 annual openings.



Annual Openings by Education Level



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

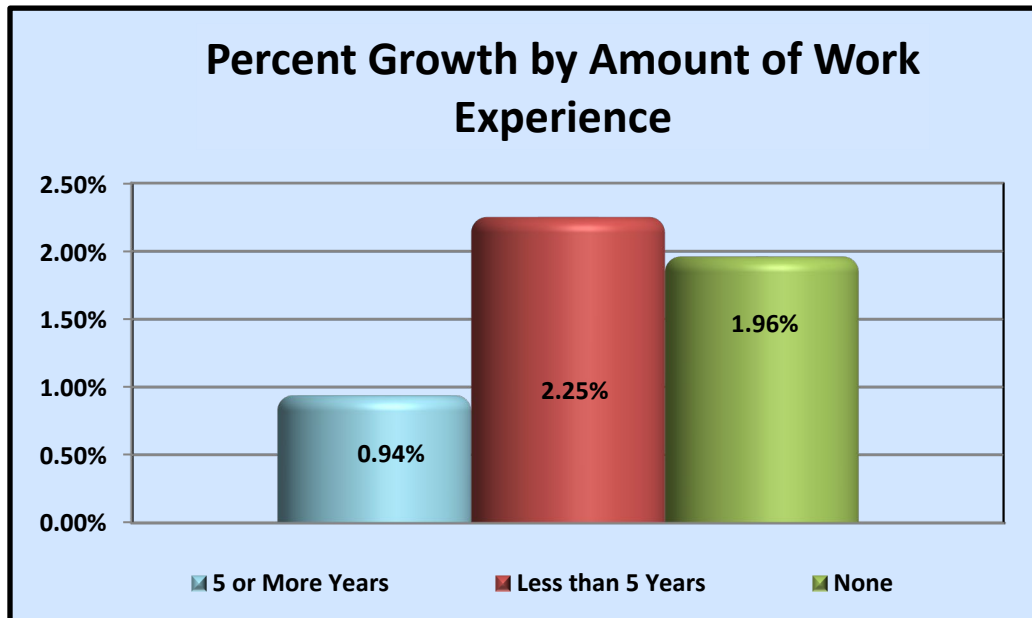
Standard Occupational Classification (SOC)		Employment		Change		Annual Openings				Education/Training Assignments	
Code	Title	2019	2021	Numeric	Percent	Exits	Transfers	Change	Total	Work	Job
Doctoral or Professional Degree											
23-1011	Lawyers	4,153	4,221	68	1.64%	90	111	34	235	None	None
25-1071	Health Specialties Teachers, Postsecondary	1,686	1,765	79	4.69%	64	79	40	183	Less Than 5 Years	None
29-1123	Physical Therapists	2,209	2,329	120	5.43%	42	53	60	155	None	None
Master's Degree											
21-1012	Educational, Guidance, School, and Vocational Counselors	2,330	2,376	46	1.97%	76	164	23	263	None	None
29-1127	Speech-Language Pathologists	2,201	2,367	166	7.54%	45	77	83	205	None	Internship/Residency
11-9032	Education Administrators, Elementary and Secondary School	2,368	2,395	27	1.14%	62	124	14	200	5 Years or More	None
Bachelor's Degree											
11-1021	General and Operations Managers	20,939	21,494	555	2.65%	445	1,398	278	2,121	5 Years or More	None
29-1141	Registered Nurses	26,402	27,107	705	2.67%	742	686	352	1,780	None	None
21-2011	Clergy	13,516	14,025	509	3.77%	602	888	254	1,744	None	Moderate-term OJT
Associate's Degree											
25-2011	Preschool Teachers, Except Special Education	3,690	3,808	118	3.20%	148	228	59	435	None	None
23-2011	Paralegals and Legal Assistants	1,966	2,024	58	2.95%	66	144	29	239	None	None
31-2021	Physical Therapist Assistants	1,145	1,208	63	5.50%	50	95	32	177	None	None
Postsecondary Non-Degree Award/Some College, No Degree											
53-3032	Heavy and Tractor-Trailer Truck Drivers	38,356	39,543	1,187	3.09%	1,604	2,825	594	5,023	None	Short-term OJT
31-1014	Nursing Assistants	18,764	19,061	297	1.58%	1,016	1,103	148	2,267	None	None
43-3031	Bookkeeping, Accounting, and Auditing Clerks	13,637	13,689	52	0.38%	832	760	26	1,618	None	Moderate-term OJT
High School Diploma or Equivalent											
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,591	54,279	-312	-0.57%	3,384	2,024	-156	5,252	5 Years or More	None
43-9061	Office Clerks, General	28,610	28,808	198	0.69%	1,605	1,832	99	3,536	None	Short-term OJT
39-9021	Personal Care Aides	18,461	19,293	832	4.51%	1,395	1,236	416	3,047	None	Short-term OJT
No Formal Educational Credential											
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	38,586	40,381	1,795	4.65%	3,148	3,883	898	7,929	None	Short-term OJT
41-2011	Cashiers	31,072	30,964	-108	-0.35%	2,768	3,083	-54	5,797	None	Short-term OJT
41-2031	Retail Salespersons	38,618	38,747	129	0.33%	2,223	3,428	64	5,715	None	Short-term OJT

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

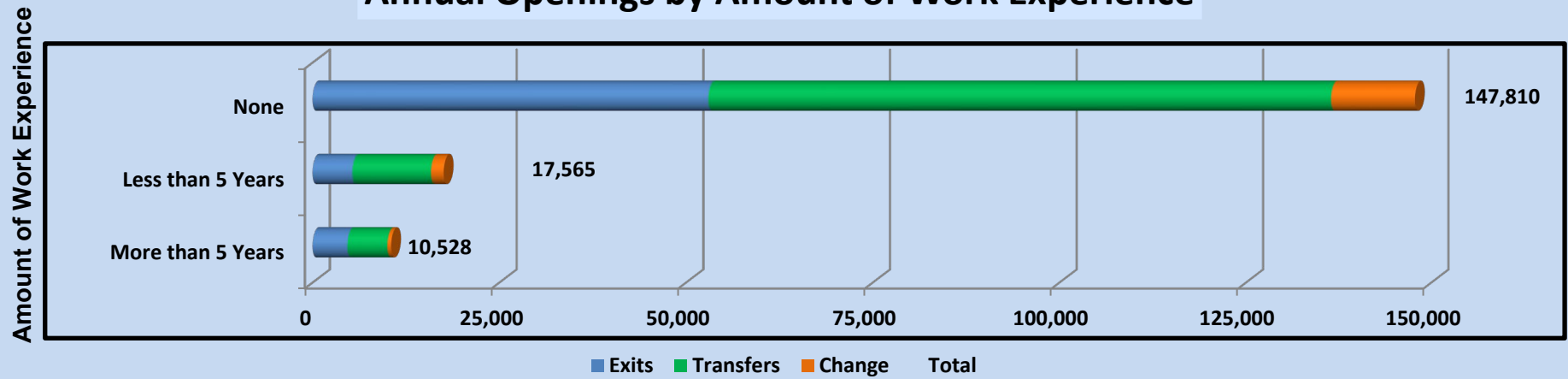
2019-2021 Projections by Amount of Work Experience

Work Experience	2019 Estimated Employment	2021 Projected Employment	Numeric Change	Percent Change	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings
5 years or more	107,770	108,782	1,012	0.94%	4,673	5,348	507	10,528
Less than 5 years	150,631	154,024	3,393	2.25%	5,339	10,526	1,700	17,565
None	1,158,378	1,181,046	22,668	1.96%	53,008	83,489	11,313	147,810

Work Experience Outlook



Annual Openings by Amount of Work Experience

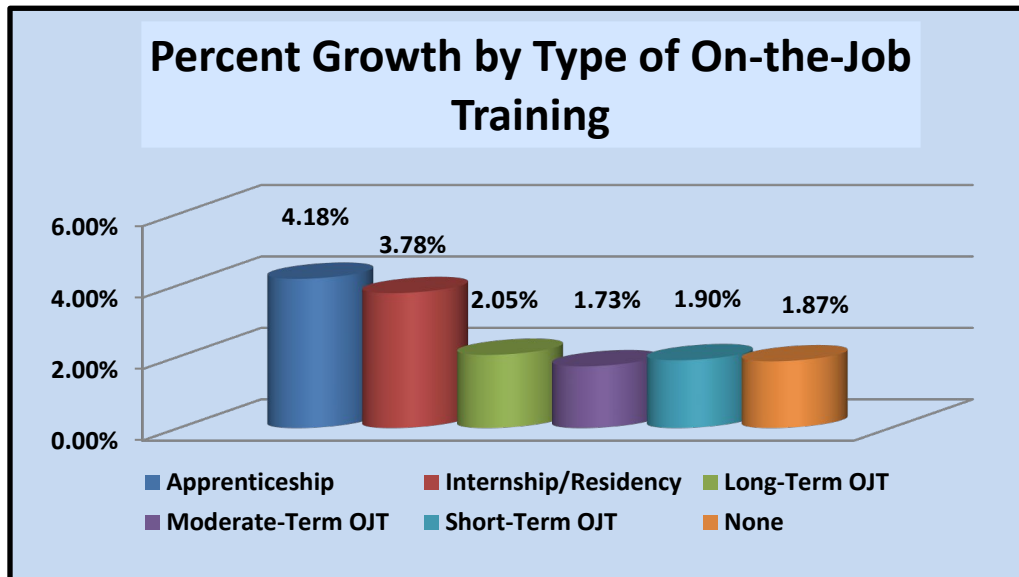


Another factor in determining full competency in an occupation is on-the-job training. Many occupations require additional training beyond formal education. Many jobs in education and in the medical field require internships or residency. Many skills-trade occupations recommend or require apprenticeship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

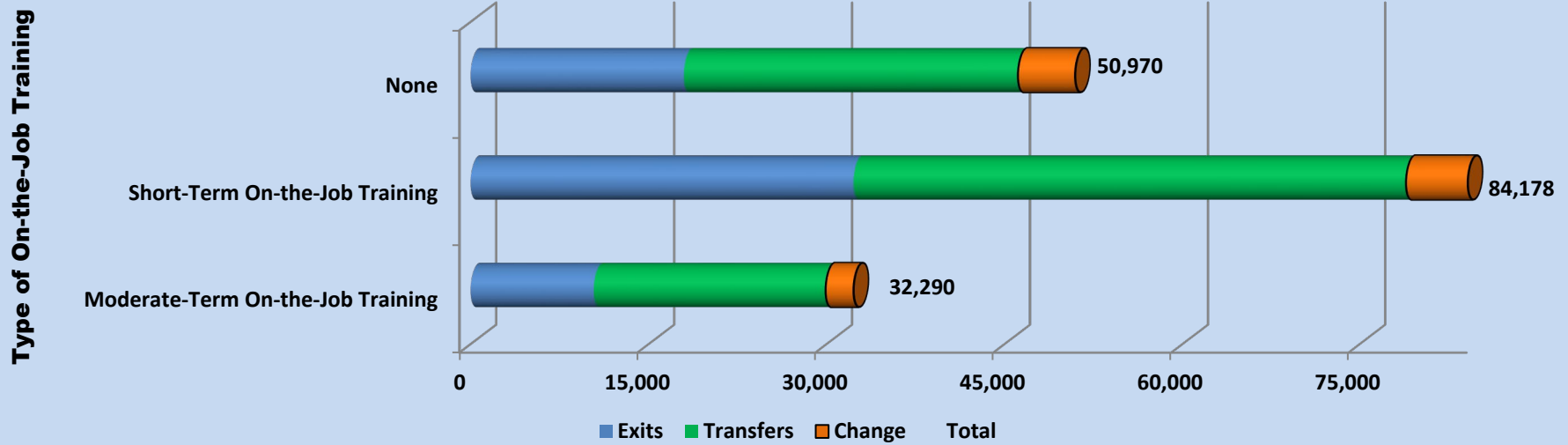
2019-2021 Projections by Type of On-the-Job Training

Job Training	2019 Estimated Employment	2021 Projected Employment	Numeric Change	Percent Change	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings
Apprenticeship	19,753	20,579	826	4.18%	608	1,604	413	2,625
Internship/residency	13,167	13,665	498	3.78%	289	456	247	992
Long-term on-the-job training	45,400	46,330	930	2.05%	1,474	2,914	460	4,848
Moderate-term on-the-job training	272,973	277,688	4,715	1.73%	10,387	19,552	2,351	32,290
Short-term on-the-job training	558,708	569,178	10,470	1.87%	32,282	46,664	5,232	84,178
None	506,778	516,412	9,634	1.90%	17,980	28,173	4,817	50,970

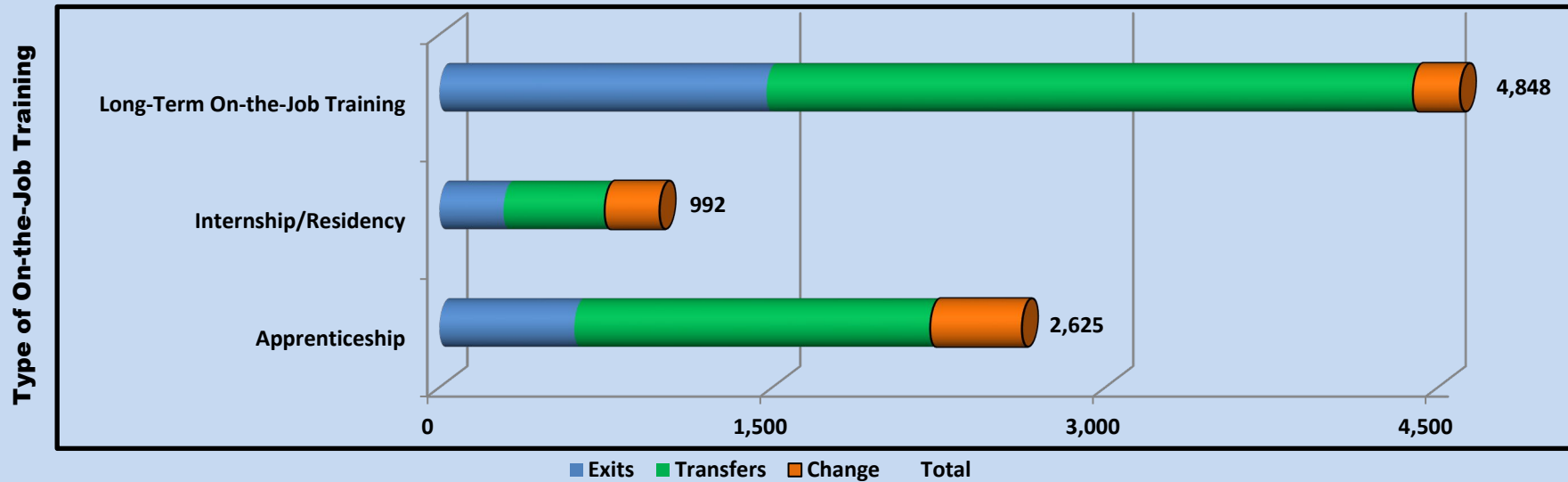
Training Outlook



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



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



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

2019-2021 Projections by Education Training Path

Education	Work Experience	Additional Training	2019 Estimated Employment	2021 Projected Employment	Numeric Change	Percent Change	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings
Doctoral or Professional Degree	5 Years or More	Short-Term On-the-Job Training	626	633	7	1.12%	13	16	4	33
Doctoral or Professional Degree	Less than 5 Years	None	2,990	3,119	129	4.31%	112	140	65	317
Doctoral or Professional Degree	None	Internship/Residency	6,205	6,363	158	2.55%	111	112	78	301
Doctoral or Professional Degree	None	None	19,750	20,239	489	2.48%	542	625	244	1,411
Master's Degree	5 Years or More	None	4,291	4,352	61	1.42%	142	224	31	397
Master's Degree	Less than 5 Years	None	1,676	1,713	37	2.21%	44	88	18	150
Master's Degree	None	Internship/Residency	4,812	5,075	263	5.47%	123	257	131	511
Master's Degree	None	None	10,806	11,175	369	3.41%	324	542	183	1,049
Bachelor's Degree	5 Years or More	None	39,810	40,829	1,019	2.56%	862	2,463	509	3,834
Bachelor's Degree	Less than 5 Years	None	39,565	40,631	1,066	2.69%	1,121	2,337	533	3,991
Bachelor's Degree	Less than 5 Years	Short-Term On-the-Job Training	213	224	11	5.16%	7	14	6	27
Bachelor's Degree	None	Internship/Residency	1,784	1,847	63	3.53%	48	81	31	160
Bachelor's Degree	None	Long-Term On-the-Job Training	2,918	2,980	62	2.12%	91	155	31	277
Bachelor's Degree	None	Moderate-Term On-the-Job Training	34,212	35,142	930	2.72%	1,171	2,245	463	3,879
Bachelor's Degree	None	None	143,835	146,953	3,118	2.17%	4,132	7,387	1,561	13,080
Bachelor's Degree	None	Short-Term On-the-Job Training	1,002	1,009	7	0.70%	22	63	4	89
Associate's Degree	Less than 5 Years	None	679	690	11	1.62%	16	27	5	48
Associate's Degree	None	Long-Term On-the-Job Training	702	708	6	0.85%	39	49	3	91

Education	Work Experience	Additional Training	2019 Estimated Employment	2021 Projected Employment	Numeric Change	Percent Change	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings
Associate's Degree	None	Moderate-Term On-the-Job Training	2,212	2,261	49	2.22%	53	193	24	270
Associate's Degree	None	None	22,143	22,730	587	2.65%	705	1,242	296	2,243
Associate's Degree	None	Short-Term On-the-Job Training	21	21	0	0.00%	1	2	0	3
Postsecondary Non-Degree Award	5 Years or More	Moderate-Term On-the-Job Training	38	39	1	2.63%	2	2	0	4
Postsecondary Non-Degree Award	Less than 5 Years	Moderate-Term On-the-Job Training	1,262	1,282	20	1.58%	30	56	10	96
Postsecondary Non-Degree Award	Less than 5 Years	Short-Term On-the-Job Training	1,038	1,092	54	5.20%	31	55	27	113
Postsecondary Non-Degree Award	None	Long-Term On-the-Job Training	6,945	7,212	267	3.84%	168	443	133	744
Postsecondary Non-Degree Award	None	Moderate-Term On-the-Job Training	1,912	1,915	3	0.16%	53	157	1	211
Postsecondary Non-Degree Award	None	None	52,099	53,224	1,125	2.16%	2,297	2,866	562	5,725
Postsecondary Non-Degree Award	None	Short-Term On-the-Job Training	46,434	47,699	1,265	2.72%	1,829	3,398	632	5,859
Some College, No Degree	None	Moderate-Term On-the-Job Training	13,637	13,689	52	0.38%	832	760	26	1,618
Some College, No Degree	None	None	16,570	16,885	315	1.90%	740	922	157	1,819
Some College, No Degree	None	Short-Term On-the-Job Training	1,789	1,800	11	0.61%	59	136	6	201
High School Diploma or Equivalent	5 Years or More	Moderate-Term On-the-Job Training	986	1,010	24	2.43%	55	68	12	135
High School Diploma or Equivalent	5 Years or More	None	61,797	61,695	-102	-0.17%	3,591	2,559	-51	6,099
High School Diploma or Equivalent	Less than 5 Years	Long-Term On-the-Job Training	180	178	-2	-1.11%	7	16	-1	22
High School Diploma or Equivalent	Less than 5 Years	Moderate-Term On-the-Job Training	3,762	3,849	87	2.31%	106	202	45	353
High School Diploma or Equivalent	Less than 5 Years	None	80,902	82,012	1,110	1.37%	3,009	6,082	557	9,648

Education	Work Experience	Additional Training	2019 Estimated Employment	2021 Projected Employment	Numeric Change	Percent Change	Annual Exits	Annual Transfers	Annual Change	Total Annual Openings
High School Diploma or Equivalent	None	Apprenticeship	19,710	20,535	825	4.19%	607	1,600	413	2,620
High School Diploma or Equivalent	None	Long-Term On-the-Job Training	30,127	30,663	536	1.78%	945	1,928	265	3,138
High School Diploma or Equivalent	None	Moderate-Term On-the-Job Training	180,706	183,252	2,546	1.41%	6,674	13,044	1,274	20,992
High School Diploma or Equivalent	None	None	606	632	26	4.29%	30	40	13	83
High School Diploma or Equivalent	None	Short-Term On-the-Job Training	213,998	217,949	3,951	1.85%	11,837	15,703	1,978	29,518
No Formal Educational Credential	Less than 5 Years	Moderate-Term On-the-Job Training	10,938	11,565	627	5.73%	597	994	314	1,905
No Formal Educational Credential	None	Long-Term On-the-Job Training	3,831	3,887	56	1.46%	201	276	27	504
No Formal Educational Credential	None	Moderate-Term On-the-Job Training	13,795	14,004	209	1.52%	479	1,086	105	1,670
No Formal Educational Credential	None	Short-Term On-the-Job Training	279,058	283,731	4,673	1.67%	17,658	26,076	2,333	46,067

Top 15 Content Skills

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

Skills	Total Demand	Description
Active Listening	60,555	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.
Speaking	57,891	Talking to others to convey information effectively.
Reading Comprehension	29,925	Understanding written sentences and paragraphs in work-related documents.
Social Perceptiveness	26,444	Being aware of others' reactions and understanding why they react as they do.
Service Orientation	16,208	Actively looking for ways to help people.
Writing	15,630	Communicating effectively in writing as appropriate for the needs of the audience.
Critical Thinking	15,250	Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
Monitoring	15,172	Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
Instructing	13,175	Teaching others how to do something.
Coordination	13,003	Adjusting actions in relation to others' actions.
Judgment and Decision Making	11,561	Considering the relative costs and benefits of potential actions to choose the most appropriate one.
Learning Strategies	8,607	Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.
Time Management	4,626	Managing one's own time and the time of others.
Repairing	4,552	Repairing machines or systems using the needed tools.
Equipment Maintenance	4,385	Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.
Management of Personnel Resources	3,919	Motivating, developing, and directing people as they work, identifying the best people for the job.

Top 15 Knowledge Domains

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

Knowledges	Total Demand	Description
Customer and Personal Service	124,078	Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.
English Language	56,138	Knowledge of the structure and content of the English language, including the meaning and spelling of words, rules of composition, and grammar.
Administration and Management	26,990	Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.
Clerical	22,777	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.
Education and Training	15,952	Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects.
Sales and Marketing	15,158	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.
Psychology	13,228	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.
Mechanical	12,380	Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
Medicine and Dentistry	11,059	Knowledge of the information and techniques needed to diagnose and treat human injuries, diseases, and deformities. This includes symptoms, treatment alternatives, drug properties and interactions, and preventive health-care measures.
Building and Construction	10,518	Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads.
Mathematics	7,964	Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.
Computers and Electronics	6,689	Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.
Production and Processing	6,652	Knowledge of raw materials, production processes, quality control, costs, and other techniques for maximizing the effective manufacture and distribution of goods.
Public Safety and Security	5,547	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.
Economics and Accounting	4,533	Knowledge of economic and accounting principles and practices, the financial markets, banking and the analysis and reporting of financial data.

Top 15 Generalized Work Activities

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

Generalized Work Activities	Total Demand	Description
Getting Information	169,137	Observing, receiving, and otherwise obtaining information from all relevant sources.
Communicating with Supervisors, Peers, or Subordinates	149,822	Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
Making Decisions and Solving Problems	99,789	Analyzing information and evaluating results to choose the best solution and solve problems.
Interacting with Computers	88,178	Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.
Performing for or Working Directly with the Public	87,477	Performing for people or dealing directly with the public. This includes serving customers in restaurants and stores, and receiving clients or guests.
Organizing, Planning, and Prioritizing Work	73,896	Developing specific goals and plans to prioritize, organize, and accomplish your work.
Documenting/Recording Information	63,597	Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.
Establishing and Maintaining Interpersonal Relationships	61,085	Developing constructive and cooperative working relationships with others, and maintaining them over time.
Identifying Objects, Actions, and Events	56,565	Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
Updating and Using Relevant Knowledge	52,553	Keeping up-to-date technically and applying new knowledge to your job.
Assisting and Caring for Others	42,832	Providing personal assistance, medical attention, emotional support, or other personal care to others such as coworkers, customers, or patients.
Communicating with Persons Outside Organization	37,492	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.
Evaluating Information to Determine Compliance with Standards	35,212	Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.
Processing Information	34,556	Compiling, coding, categorizing, calculating, tabulating, auditing, or verifying information or data.
Inspecting Equipment, Structures, or Material	34,338	Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.

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	This category signifies that a formal credential issued by an educational institution, such as a high school diploma or postsecondary certificate, is not typically needed for entry into the occupation.

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

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

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