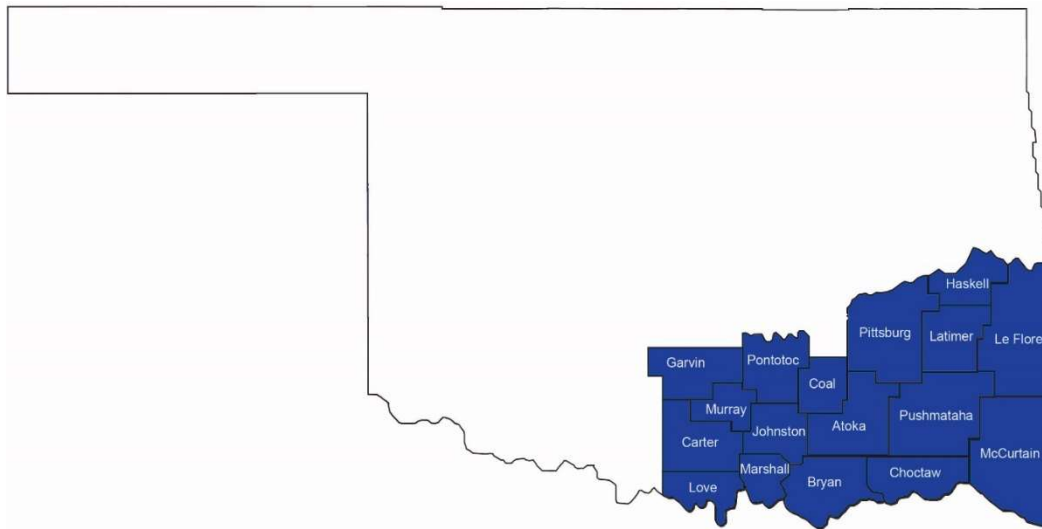


# SOUTHERN OKLAHOMA WORKFORCE DEVELOPMENT AREA



## 2022 LOCAL BRIEFING



**OKLAHOMA  
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## Introduction

The Southern Oklahoma Workforce Development Area (WFDA) is composed of 17 Oklahoma counties: Atoka, Bryan, Carter, Choctaw, Coal, Garvin, Haskell, Johnston, Latimer, Le Flore, Love, Marshall, McCurtain, Murray, Pittsburg, Pontotoc, and Pushmataha. According to the U.S. Census Bureau, this combined region of Oklahoma covers 15,336 square miles and is home to over 411,000 residents. The following briefing reviews the population, education, labor force, top industries by total jobs, and staffing patterns for state target sectors for the Southern Oklahoma WFDA.

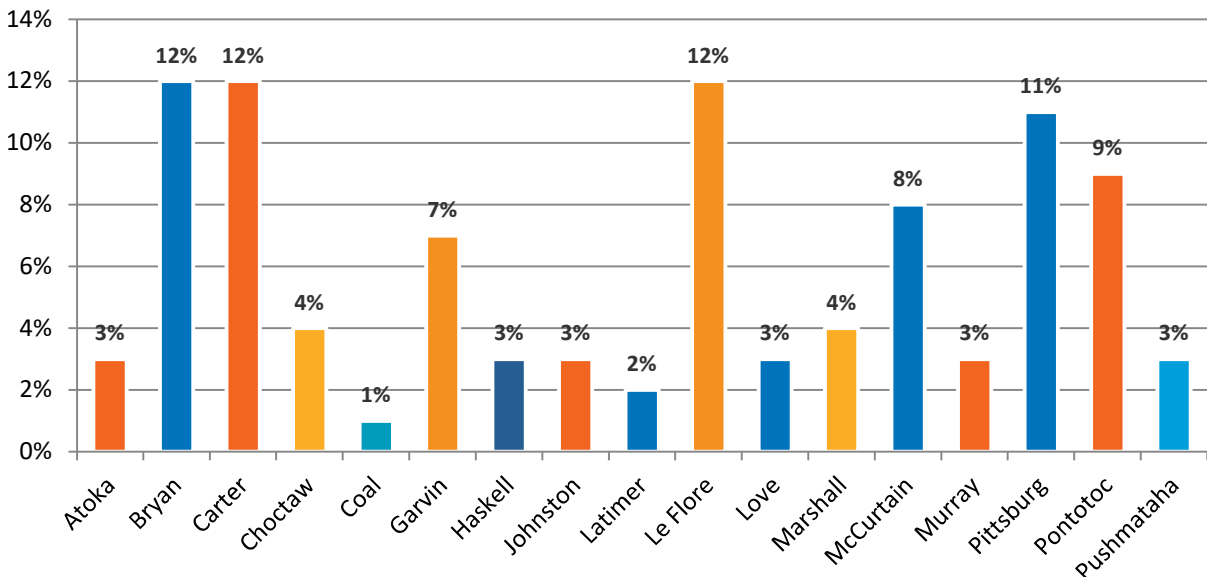
## Population

Between 2016 and 2021, the Southern WFDA grew by approximately 1%, from 408,324 to 411,475, or around 3,151 additional people. By 2026, the area is expected to grow by an additional 2% to 421,611 people. The following shows population figures and analyses by county, age, race, and ethnicity in the Southern WFDA.

### Population by County

Figure 1 shows the Southern WFDA population breakdown by county. Bryan, Carter, and Le Flore counties represented the largest portions of the population, each at 12%. Pontotoc County made up the next largest population, representing 9% of the Southern WFDA. Coal County made up the smallest percentage of the population at 1%.

**Figure 1: Population by County**



Source: Lightcast- economicmodeling.com- 2022.3

Table 1 provides the population change from 2016 to 2021. During this period, most of Southern's counties experienced population decline. Bryan County experienced the largest increase in population during this period at 4,229 additional people. Marshall County also added a significant number of people to their population at 1,138. Alternatively, Pittsburg County experienced the largest population decline at 772 fewer people.

**Table 1: Population by County**

County	2016 Population	2021 Population	Total Change
Atoka	13,882	13,929	47
Bryan	45,679	49,908	4,229
Carter	48,501	48,474	-27
Choctaw	14,874	14,697	-177
Coal	5,643	5,641	-2
Garvin	27,944	27,729	-215
Haskell	12,706	12,699	-7
Johnston	11,125	10,945	-180
Latimer	10,553	10,066	-487
Le Flore	50,154	49,770	-384
Love	10,034	10,381	347
Marshall	16,265	17,403	1,138
McCurtain	33,099	32,673	-426
Murray	13,922	14,128	206
Pittsburg	44,397	43,625	-772
Pontotoc	38,499	38,487	-12
Pushmataha	11,047	10,920	-127
<b>Total</b>	<b>408,324</b>	<b>411,475</b>	<b>3,151</b>

Source: Lightcast- [economicmodeling.com](http://economicmodeling.com)- 2022.3

Table 2 shows the projected population change from 2021 to 2026. During this period, most of Southern's counties are projected to grow in population. In particular, Bryan County is projected to continue adding the most people to the area with an additional 4,462 people by 2026. Le Flore County will lose the greatest number of people out of all counties in the Southern WFDA at 710 fewer people by 2026.

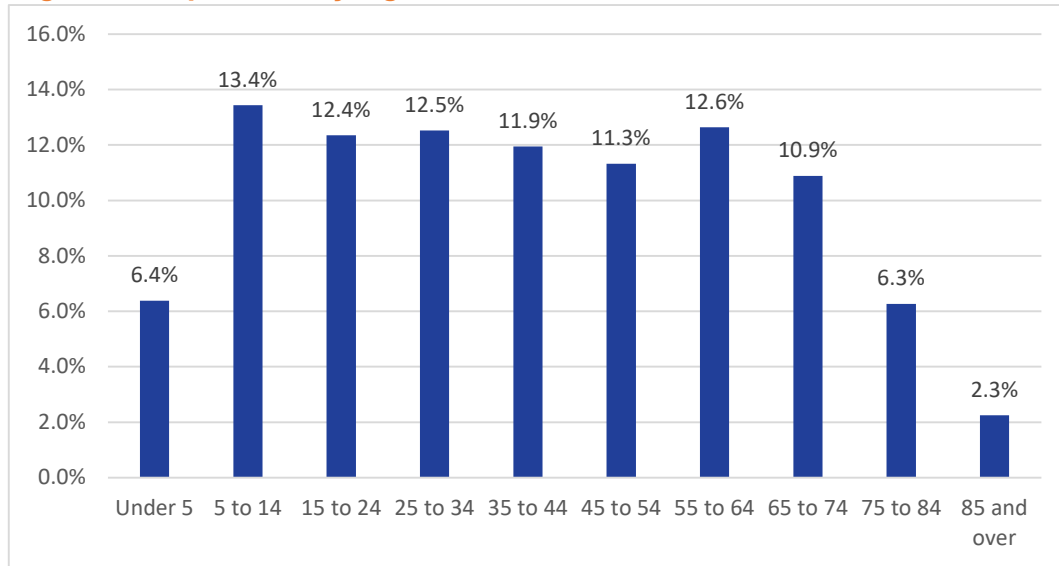
**Table 2: Projected Population by County**

County	2021 Population	2026 Population	Total Change
Atoka	13,929	14,095	166
Bryan	49,908	54,369	4,462
Carter	48,474	48,995	521
Choctaw	14,697	15,184	487
Coal	5,641	6,016	374
Garvin	27,729	27,992	263
Haskell	12,699	13,051	352
Johnston	10,945	11,736	790
Latimer	10,066	10,071	4
Le Flore	49,770	49,059	-710
Love	10,381	11,099	718
Marshall	17,403	18,790	1,387
McCurtain	32,673	32,412	-261
Murray	14,128	15,010	882
Pittsburg	43,625	43,619	-6
Pontotoc	38,487	39,231	744
Pushmataha	10,920	10,881	-39
<b>Total</b>	<b>411,475</b>	<b>421,611</b>	<b>10,136</b>

Source: Lightcast- [economicmodeling.com](http://economicmodeling.com)- 2022.3

## Population by Age

Figure 2 shows Southern's population by age in 2021. 5- to 14-year-olds made up the largest percentage of the population at 13.4%. Individuals 55- to 64-years of age were the second largest percentage of the population at 12.6%. Those aged 85-years and over made up the smallest percentage of the population at 2.3%.

**Figure 2: Population by Age**

Source: Lightcast- economicmodeling.com- 2022.3

Table 3 provides the population change by age group from 2016 to 2021. During this period, over half of all age groups increased in population. In particular, all groups aged 65 and over grew while various younger groups declined during this period. Those aged 65- to 74-years of age added the most people at 2,759 while 75- to 84-year-olds were next at 2,669. 5- to 14-year-olds grew the least at just 453 more people added since 2016. 45- to 54-year-olds decreased the most during this period at 3,531 fewer people by 2021.

**Table 3: Population by Age**

Age	2016 Population	2021 Population	Total Change
Under 5	26,923	26,272	-651
5 to 14	54,820	55,273	453
15 to 24	51,398	50,831	-567
25 to 34	50,871	51,542	671
35 to 44	47,205	49,160	1,955
45 to 54	50,113	46,582	-3,531
55 to 64	53,284	52,003	-1,281
65 to 74	42,023	44,782	2,759
75 to 84	23,101	25,770	2,669
85 and over	8,586	9,260	674
<b>Total</b>	<b>408,324</b>	<b>411,475</b>	<b>3,151</b>

Source: Lightcast - economicmodeling.com- 2022.3



Table 4 provides the population change by age group from 2021 to 2026. During this period, nearly all age groups are projected to increase in population. All age groups above 65 are projected to continue growing while fewer young age groups are expected to decline. In particular, 75- to 84-year-olds will grow the most at 4,659 additional people while 35- to 44-year-olds will add 3,219 more people by 2026. People ages 25 to 34 will grow the least, adding 317 more people in the next five years. Alternatively, 55- to 64-year-olds are the only group projected to decline during this period, with 3,603 fewer people by 2026.

**Table 4: Projected Population by Age**

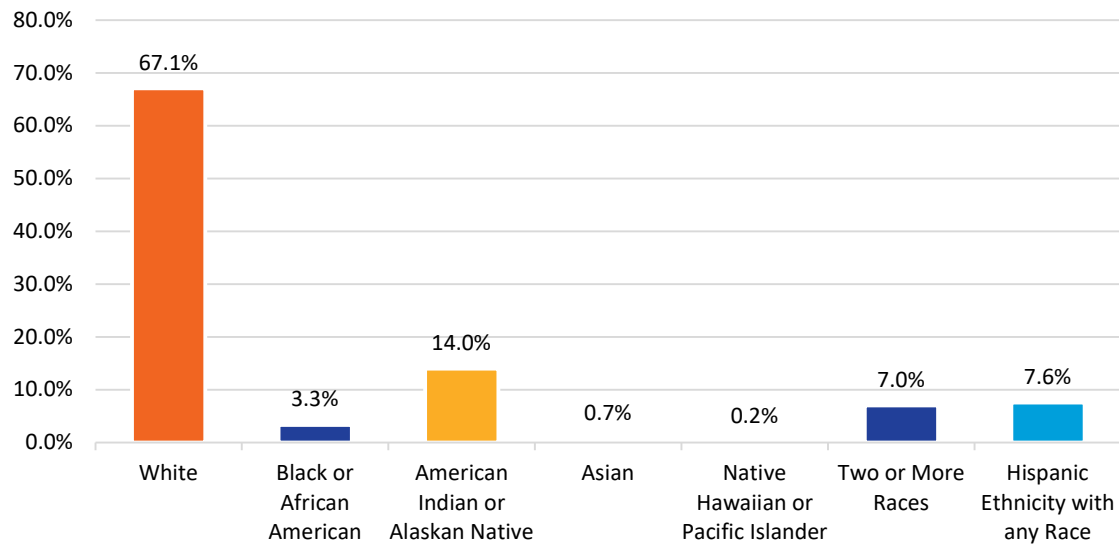
Demographic	2021 Population	2026 Population	Total Change
Under 5	26,272	26,675	402
5 to 14	55,273	55,844	571
15 to 24	50,831	51,264	434
25 to 34	51,542	51,859	317
35 to 44	49,160	52,378	3,219
45 to 54	46,582	47,276	694
55 to 64	52,003	48,400	-3,603
65 to 74	44,782	47,010	2,228
75 to 84	25,770	30,429	4,659
85 years and over	9,260	10,476	1,215
<b>Total</b>	<b>411,475</b>	<b>421,611</b>	<b>10,136</b>

Source: Lightcast – economicmodeling.com – 2022.3

## Population by Race and Ethnicity

The following analyses used the racial and ethnicity categories designated by the U.S. Census Bureau. The Census Bureau categorizes “Hispanic” as an ethnicity rather than a race. As such, Hispanic is always reported in conjunction with another racial designator, i.e., “Black or African American, Hispanic.” Unless otherwise noted, individual races included in this briefing section were reported as Non-Hispanic.

Figure 3 provides the Southern WFDA population percentages by race and ethnicity. This figure shows that Whites made up the largest percentage of the population at 67.1%. American Indian or Alaskan Natives made up the second largest percentage of the population at 14%. Native Hawaiians or Pacific Islanders made up the smallest amount of the population at 0.2%.

**Figure 3: Population by Race and Ethnicity**

Source: Lightcast- economicmodeling.com- 2022.3

Table 5 provides the population change by demographic group from 2016 to 2021. During this period, more than half of all demographic groups increased in population. Hispanic Ethnicity with any Race added the most population during this period at 4,020 additional people. Those identifying as Two or More Races added the second largest population at 2,863. Alternatively, Black or African Americans saw the smallest increase in total population at 73 additional people. The White population was the only group to decline during this period at 6,037 fewer people.

**Table 5: Population by Race and Ethnicity**

Demographic	2016 Population	2021 Population	Total Change
<b>White</b>	282,126	276,089	-6,037
<b>Black or African American</b>	13,685	13,758	73
<b>American Indian or Alaskan Native</b>	56,003	57,693	1,690
<b>Asian</b>	2,801	3,067	266
<b>Native Hawaiian or Pacific Islander</b>	486	763	277
<b>Two or More Races</b>	26,025	28,888	2,863
<b>Hispanic Ethnicity with Any Race</b>	27,198	31,218	4,020
<b>Total</b>	<b>408,324</b>	<b>411,475</b>	<b>3,151</b>

Source: Lightcast - economicmodeling.com- 2022.3

Table 6 provides the projected population change by demographic group from 2021 to 2026. During this period, most demographic groups are expected to continue increasing in population. The Hispanic population will continue to add the most people to the area with 5,754 additional people by 2026. Alternatively, Native Hawaiian or Pacific Islanders will add the least in total population at 388 additional people. The White population will continue to decline at 4,549 fewer people by 2026.

**Table 6: Projected Population by Race and Ethnicity**

Demographic	2021 Population	2026 Population	Total Change
<b>White</b>	276,089	271,540	-4,549
<b>Black or African American</b>	13,758	14,699	941
<b>American Indian or Alaskan Native</b>	57,693	59,145	1,453
<b>Asian</b>	3,067	3,841	774
<b>Native Hawaiian or Pacific Islander</b>	763	1,151	388
<b>Two or More Races</b>	28,888	34,264	5,376
<b>Hispanic Ethnicity with any Race</b>	31,218	36,971	5,754
<b>Total</b>	<b>411,475</b>	<b>421,611</b>	<b>10,136</b>

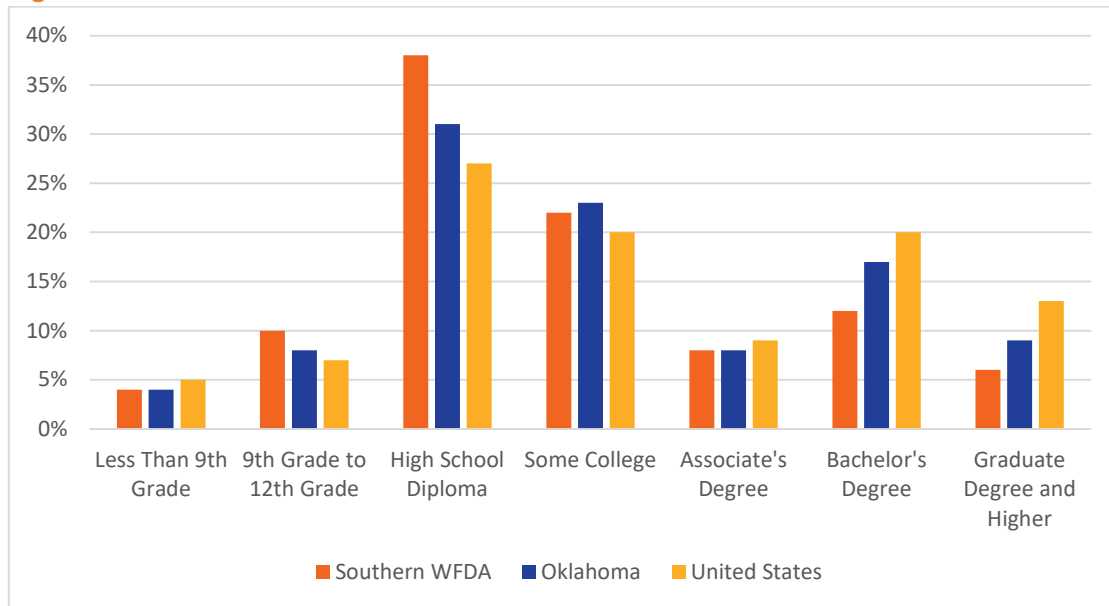
Source: Lightcast – economicmodeling.com – 2022.3

## Education

Colleges, universities, career technology centers, and K-12 schools are instrumental in developing the workforce. Educational institutions help supply local businesses and organizations with a workforce with the necessary labor and skills to be competitive in today's economy. The following section reviews the Southern WFDA's educational attainment, provides an educational attainment mismatch analysis, and details the area's educational assets.

### Educational Attainment

Figure 4 compares the Southern WFDA educational attainment levels with State of Oklahoma and United States in 2021. In Southern, High School Diploma made up the largest share of the population at 38%. This was seven percentage points higher than the State average of 31%. The second largest share of the population was Some College at 22%. Those with less than 9<sup>th</sup> grade educational attainment represented the smallest group at 4%, matching the State average.

**Figure 3: Educational Attainment**

Source: Lightcast- [economicmodeling.com](http://economicmodeling.com)- 2022.3

Table 7 provides the change in educational attainment levels in the Southern WFDA from 2016 to 2021. By 2021, fewer people had an education below the High School Diploma level while more people achieved higher levels of education than in 2016. In particular, those with an Associate's Degree grew the most during this period at 3,615 more people. Those with a Bachelor's Degree were next at an additional 1,870 people by 2021. Alternatively, a combined 5,645 fewer people had an education below High School Diploma level by 2021. Those with a High School Diploma also grew during this period at 1,546 more people at this education level than in 2016.

**Table 7: Educational Attainment**

Education Level	2016 Population	2021 Population	Total Change
Less Than 9th Grade	13,892	11,923	-1,969
9th Grade to 12th Grade	30,292	26,616	-3,676
High School Diploma	104,761	106,307	1,546
Some College	60,346	61,818	1,472
Associate's Degree	18,335	21,950	3,615
Bachelor's Degree	31,166	33,036	1,870
Graduate Degree and Higher	16,392	17,451	1,059
<b>Total</b>	<b>275,183</b>	<b>279,100</b>	<b>3,917</b>

Source: Lightcast - [economicmodeling.com](http://economicmodeling.com)- 2022.3

Table 8 provides the change in educational attainment levels in Southern from 2021 to 2026. By 2026, more people will continue to achieve higher levels of education in the area while those below the high school diploma level will continue to decline. Those with a High School Diploma will add 2,505 more people and those with a Bachelor's degree will add 2,072 more people. Alternatively, a combined 2,023 more people will have an education below the High School Diploma level by 2026. Those with a Graduate Degree and Higher will grow during this period by 1,072 people.

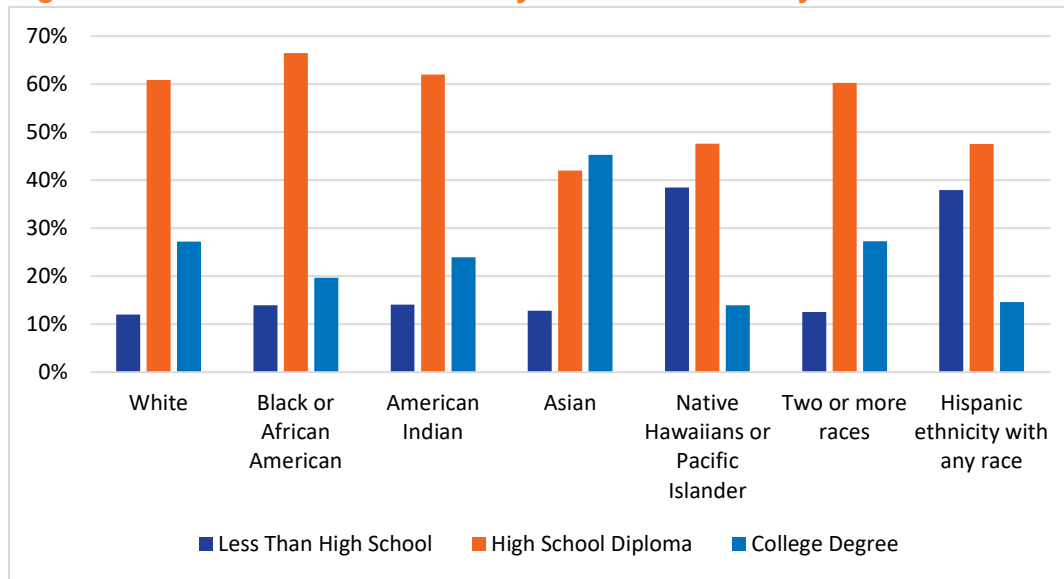
**Table 8: Projected Educational Attainment**

Education Level	2021 Population	2026 Population	Total Change
Less Than 9th Grade	11,923	11,031	-891
9th Grade to 12th Grade	26,616	25,484	-1,132
High School Diploma	106,307	108,812	2,505
Some College	61,818	64,517	2,699
Associate's Degree	21,950	24,353	2,404
Bachelor's Degree	33,036	35,107	2,072
Graduate Degree and Higher	17,451	18,524	1,072
<b>Total</b>	<b>279,100</b>	<b>287,829</b>	<b>8,729</b>

Source: Lightcast – economicmodeling.com – 2022.3

## Educational Attainment by Race and Ethnicity

Figure 5 shows the breakdown of education by race and ethnicity. High school graduates represent the largest population percentage across all racial and ethnic backgrounds besides Asian. Native Hawaiians or Pacific Islanders and those of Hispanic Ethnicity with Any Race have the largest population percentage at the Less than High School level, each at 38%. Black or African Americans have the highest population percentage with High School Diplomas at 66%. Lastly, Asian Americans have the largest population percentage at the College Degree level with 45%.

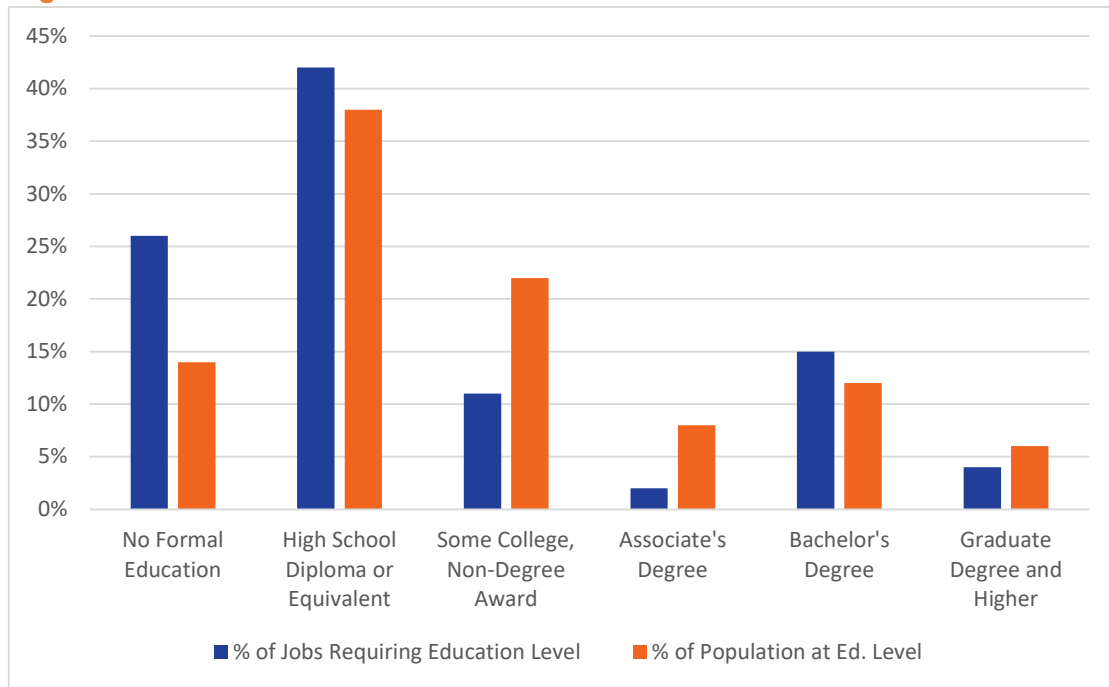
**Figure 4: Educational Attainment by Race and Ethnicity**

Source: *Lightcast- economicmodeling.com- 2022.3*

## Education Mismatch

Figure 6 below shows an educational attainment mismatch analysis for the Southern WFDA.<sup>1</sup> This compares the typical education required for jobs to the educational attainment of the population in 2021. 26% of jobs in Southern require no formal education while just 14% of the population have an education at this level. This suggests that many of these jobs may be filled by those with an education level beyond what is required. At the High School Diploma level, 42% of jobs in Southern require this level of education while 38% of the population hold this level of education. 30% of the population had Some College or an Associate's Degree, while just 13% of jobs required these levels of education, suggesting underemployment. At the Bachelor's Degree level, 12% of the population hold the degree while 15% of jobs require it. At the Graduate Degree level, the difference is smaller, with 6% of the population holding the degree and 4% of jobs requiring the education.

<sup>1</sup> The educational attainment mismatch analysis, formerly known as skills gaps analysis, is attained by comparing the working age (25 years and older) population's educational attainment and typical entry level education for the total number of jobs. This analysis was obtained from Lightcast's underemployment data. The analysis does not account for individuals' actual educational attainment and their current employment. The analysis compares American Community Survey data from the Census Bureau with occupation data from the Bureau of Labor Statistics.

**Figure 5: Educational Attainment Mismatch**

Source: *Lightcast- economicmodeling.com- 2022.3*

## Educational Assets

Southern has 20 distinct post-secondary educational institutions, ranging from universities, technical colleges, community colleges, and specialty training schools. These institutions are important educational and professional assets as they help connect students of all backgrounds and circumstances with resources, degrees, certifications, and higher knowledge. Table 9 details accredited institutions and their degree types.

**Table 9: Educational Assets**

Institution	Institution Type	City	County	Degree Types
Carl Albert State College	Public	Poteau	Le Flore	Associate, Certificate
East Central University	Public	Ada	Pontotoc	Bachelor, Master
Eastern Oklahoma State College	Public	McAlester	Pittsburg	Associate, Certificate
Eastern Oklahoma State College	Public	Wilburton	Latimer	Associate, Certificate
Murray State College	Public	Tishomingo	Johnston	Associate
Southeastern Oklahoma State University	Public	Durant	Bryan	Bachelor, Master
Southeastern Oklahoma State University	Public	Idabel	McCurtain	Bachelor, Master
University Center of Southern Oklahoma	Public	Ardmore	Carter	Associate, Bachelor
Kiamichi	Technical School	Antlers	Pushmataha	Certificate
Kiamichi	Technical School	Atoka	Atoka	Certificate
Kiamichi	Technical School	Durant	Bryan	Certificate
Kiamichi	Technical School	Hugo	Choctaw	Certificate
Kiamichi	Technical School	Idabel	McCurtain	Certificate
Kiamichi	Technical School	McAlester	Pittsburg	Certificate
Kiamichi	Technical School	Poteau	Le Flore	Certificate
Kiamichi	Technical School	Spiro	Le Flore	Certificate
Kiamichi	Technical School	Stigler	Haskell	Certificate
Kiamichi	Technical School	Talihina	Le Flore	Certificate
Pontotoc	Technical School	Ada	Pontotoc	Certificate
Southern Oklahoma	Technical School	Ardmore	Carter	Certificate

Source: Oklahoma State Regents of Higher Education, CareerTech.org

## Labor Force

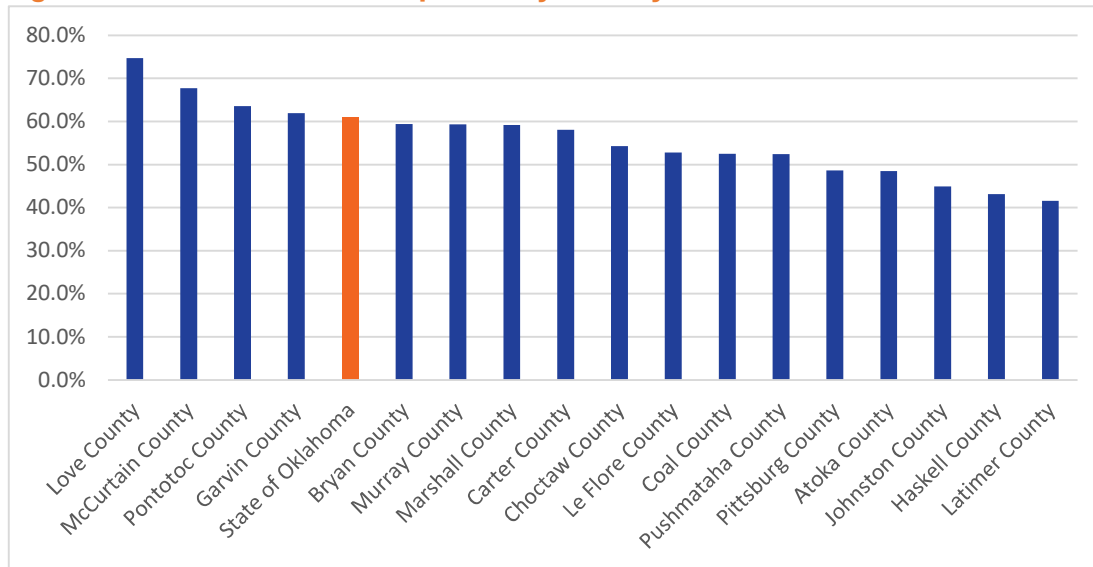
The labor force may be considered one of the foremost assets of a particular region, providing key goods and services, collaborating across industries, and participating in economic and skills development. The following section reviews Southern's labor force participation rates broken down by county, median earnings, as well as commuter data detailing inflow, outflow, and circulation in the Southern WFDA.



## Labor Force Participation by County

Figure 7 shows the Southern WFDA labor force participation rate by county in June 2022. Currently, less than half of counties in the Southern WFDA meet or exceed the Oklahoma state average labor force participation rate of 61%. The highest percentage is in Love County at 74.7%. The second highest is in McCurtain County at 67.7%. The third highest is in Pontotoc County at 63.6%. The lowest percentage is in Latimer County at 41.6%.

**Figure 7: Labor Force Participation by County, June 2022**



Source: Lightcast- [economicmodeling.com](https://economicmodeling.com)- 2022.3

Table 10 below shows the labor force participation rate by county from June 2021 to June 2022. During this period, all but one of Southern's county labor force participation rates decreased. This follows the general decline of the state's rate at -0.4% since June 2021. Marshall County's labor force participation rate was the only to grow during this period at an additional 0.9%. Garvin and Haskell County's rates decreased by the most, both at -2.8%.

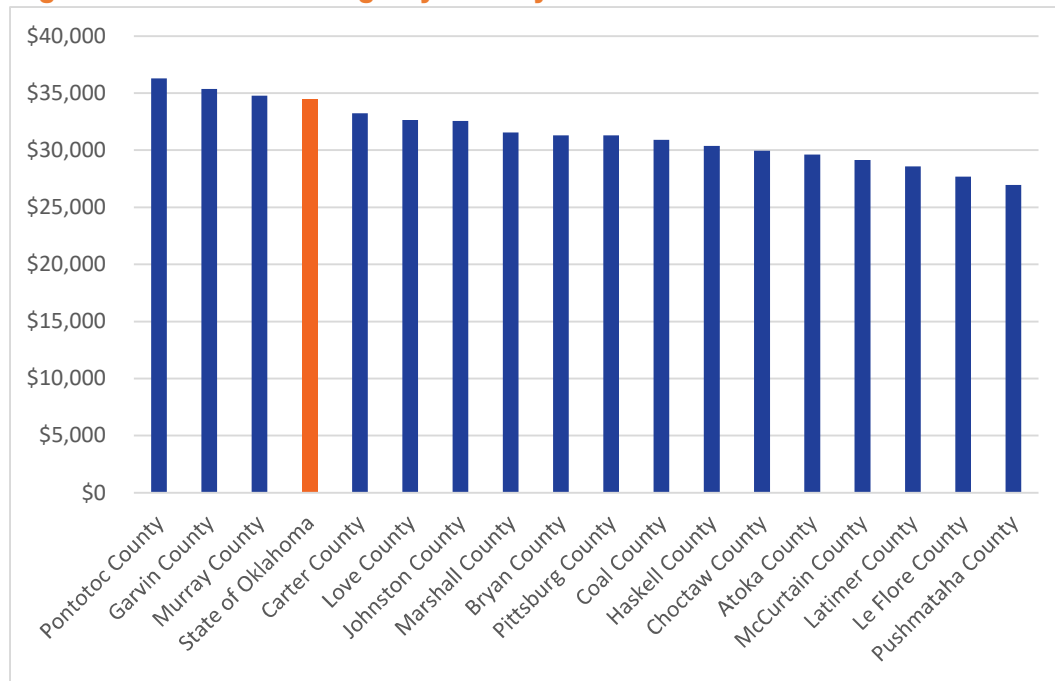
**Table 10: Labor Force Participation by County**

Area	June 2021	June 2022	Total Change
State of Oklahoma	61.4%	61.0%	-0.4%
Atoka County	50.3%	48.5%	-1.8%
Bryan County	60.1%	59.4%	-0.7%
Carter County	59.4%	58.1%	-1.3%
Choctaw County	54.7%	54.3%	-0.4%
Coal County	54.6%	52.5%	-2.1%
Garvin County	64.7%	61.9%	-2.8%
Haskell County	45.8%	43.1%	-2.8%
Johnston County	45.4%	44.9%	-0.4%
Latimer County	42.6%	41.6%	-1.0%
Le Flore County	52.9%	52.8%	-0.1%
Love County	76.8%	74.7%	-2.1%
Marshall County	58.3%	59.2%	0.9%
McCurtain County	68.5%	67.7%	-0.8%
Murray County	59.7%	59.3%	-0.3%
Pittsburg County	50.6%	48.6%	-2.0%
Pontotoc County	65.4%	63.6%	-1.9%
Pushmataha County	53.4%	52.4%	-1.1%

Source: Lightcast- [economicmodeling.com](https://economicmodeling.com)- 2022.3

## Median Earnings

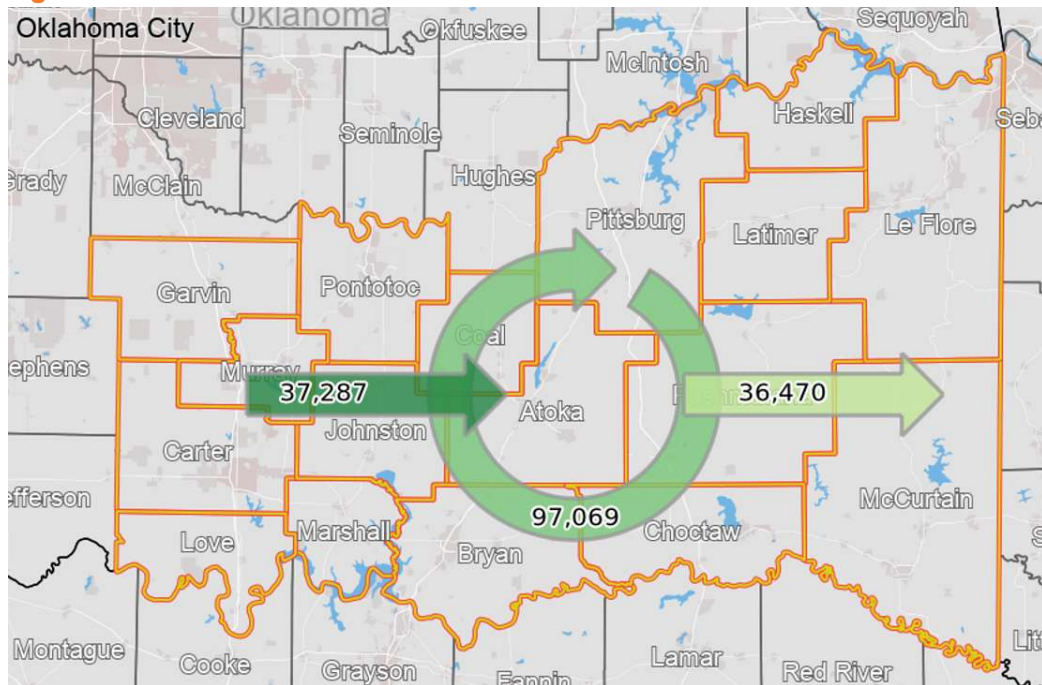
Figure 8 provides the median earnings of those that are over the age of 16 in each of Southern's counties and the State of Oklahoma as a whole. The highest earnings were found in Pontotoc County at \$36,301. The second highest were in Garvin County at \$35,360. The third highest were in Murray County at \$34,780. The lowest median earnings were in Pushmataha County at \$26,946. Overall, three of Southern's seventeen counties boasted median earnings beyond those found at the state level, while the rest fell below this level.

**Figure 6: Median Earnings by County**

Source: American Community Survey (ACS) 2021 5-Year Estimates

## Commuter Data

The U.S. Census Bureau Longitudinal Employer-Household Dynamics (LEHD) program uses data from a variety of sources including the unemployment insurance program, Quarterly Census of Employment and Wages (QCEW), and administrative data from censuses and surveys to create models estimating worker commutes for primary employment. In the Southern WFDA, 37,287 work in the area and did not live there. 97,069 lived there and worked there. 36,470 lived in Southern WFDA and worked outside the area (see Figure 7).

**Figure 7: Local Area Commuter Patterns**

Source: Center of Economic Studies (CES), OnTheMap, 2019

## Top Industries by Total Jobs

The North American Industry Classification System (NAICS) is the standard utilized by federal agencies to classify businesses to collect, analyze, and publish statistical data related to the United States business economy. Several of the analyses that follow are based upon data using NAICS employment sector codes. The following information is provided to enhance understanding of the framework of these analyses.

NAICS uses a 6-digit coding system which is structured hierarchically, beginning with 20 broad economic sectors. Over 1,000 industries are then sub-categorized within these 20 sectors. Each industry within a sector shares distinguishing economic activities. The most recent version of the classification system was implemented in 2017. Additional information is available at [www.census.gov/eos/www/naics](http://www.census.gov/eos/www/naics).

Table 11 below shows the top ten industries in the Southern WFDA by the total number of jobs in 2021. There was an estimated 620,936 number of total jobs in the area in 2021. The largest sector was Government with 118,910 jobs. The second largest sector was Health Care and Social Assistance with 81,115 jobs. The tenth largest sector was Finance and Insurance with 24,626 jobs. Together, these industries made up 85.2% of the total jobs in the Southern WFDA in 2021.

**Table 11: Top Industries by Total Jobs**

NAICS	Description	2021 Jobs	Percentage of Total Employment
90	Government	118,910	19.2%
62	Health Care and Social Assistance	81,115	13.1%
44	Retail Trade	69,284	11.2%
72	Accommodation and Food Services	63,703	10.3%
56	Administrative and Support and Waste Management and Remediation Services	39,850	6.4%
54	Professional, Scientific, and Technical Services	36,183	5.8%
31	Manufacturing	34,595	5.6%
23	Construction	29,843	4.8%
48	Transportation and Warehousing	29,673	4.8%
52	Finance and Insurance	24,626	4.0%

Source: Lightcast- [economicmodeling.com](http://economicmodeling.com)- 2022.3

## Target Sectors

Oklahoma Department of Commerce has identified [Key Industry Sectors](#) for the state of Oklahoma. The Key Industry Sectors provide a competitive advantage in a global economy. They exhibit significant potential for employment growth and provide wealth generating employment opportunities. These Target Sectors include Aerospace and Defense, Agribusiness and Bioscience, Renewable and Traditional Energy, Transportation and Logistics, Automotive, and Manufacturing. Growth in these areas lead to workforce needs in complementary sectors. These complementary sectors include Construction, Health Care, Education, and Creative Industries. Figure 8 shows both target and complementary sectors. For a complete list of industries that are included in each of the sectors, the 5-digit NAICS codes are included in the appendix.

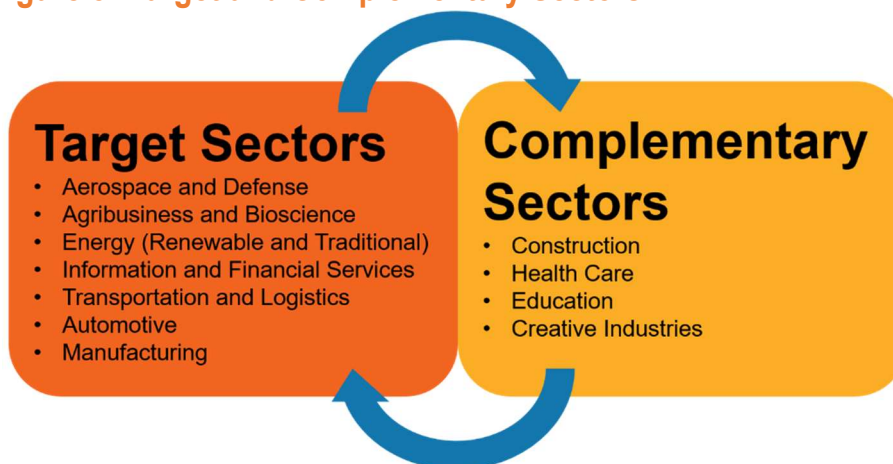
**Figure 8: Target and Complementary Sectors**

Table 12 shows the estimated number of new jobs for each of the target sectors in 2026, along with the growth rate and average earnings per job in the target sector. All target sectors are projected to grow with the exception of the energy sector.

**Table 12: Target Sector Projected Growth**

Target Sector	2021 Jobs	2026 Jobs	Estimated Net Job Growth (2021-2026)	Growth Rate (2021-2026)	Average Earnings Per Job
Aerospace and Defense	3,484	3,875	391	11%	\$71,396
Agriculture and Bioscience	8,133	8,712	579	7%	\$58,309
Energy (Renewable and Traditional)	5,796	5,558	-238	-4%	\$104,833
Information and Financial Services	5,246	5,394	148	3%	\$64,278
Manufacturing	14,824	15,285	461	3%	\$72,202
Transportation and Logistics (Includes Automotive)	12,442	12,890	448	4%	\$63,516

Source: Lightcast- [economicmodeling.com](http://economicmodeling.com)- 2022.3

## Target Sector Staffing Patterns

Staffing patterns were generated for each of the target sectors using Lightcast 2022.3 datarun. The staffing pattern analysis computes the occupational makeup of the target sectors by percentages. The appendix includes two tables for each target sector. The first table shows the top ten occupations by number of current jobs. The second table shows the top 10 occupations by number of new jobs projected for 2026.

## Summary

This local briefing reviewed the Southern WFDA's population, educational attainment and assets, labor force information, top industry data, and target and complementary sectors. The Southern WFDA is one of six Workforce Development Areas (WFDAs) in Oklahoma. The Oklahoma Office of Workforce Development prepares briefings for each of the Workforce Development Areas, including a state-level briefing. Briefings are available at [oklahomaworks.gov/workforce-briefings](http://oklahomaworks.gov/workforce-briefings).

## Appendix

### Target and Complementary NAICS Codes

#### Aerospace and Defense Industries

<b>NAICS</b>	<b>Industry Description</b>
32521	Resin and Synthetic Rubber Manufacturing
32551	Paint and Coating Manufacturing
32592	Explosives Manufacturing
32629	Other Rubber Product Manufacturing
33231	Plate Work and Fabricated Structural Product Manufacturing
33271	Machine Shops
33281	Coating, Engraving, Heat Treating, and Allied Activities
33299	All Other Fabricated Metal Product Manufacturing
33351	Metalworking Machinery Manufacturing
33361	Engine, Turbine, and Power Transmission Equipment Manufacturing
33411	Computer and Peripheral Equipment Manufacturing
33441	Semiconductor and Other Electronic Component Manufacturing
33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
33531	Electrical Equipment Manufacturing
33599	All Other Electrical Equipment and Component Manufacturing
33641	Aerospace Product and Parts Manufacturing
42386	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers
48111	Scheduled Air Transportation
48121	Nonscheduled Air Transportation
48811	Airport Operations
48819	Other Support Activities for Air Transportation
54133	Engineering Services
54138	Testing Laboratories
54151	Computer Systems Design and Related Services
54161	Management Consulting Services
54169	Other Scientific and Technical Consulting Services
54171	Research and Development in the Physical, Engineering, and Life Sciences
61151	Technical and Trade Schools
	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic)
81131	Repair and Maintenance
90120	Federal Government, Military

#### Energy Industries

<b>NAICS</b>	<b>Industry Description</b>
21112	Crude Petroleum Extraction
21113	Natural Gas Extraction
21211	Coal Mining



**NAICS Industry Description**

21311	Support Activities for Mining
22111	Electric Power Generation
22112	Electric Power Transmission, Control, and Distribution
22121	Natural Gas Distribution
23712	Oil and Gas Pipeline and Related Structures Construction
23713	Power and Communication Line and Related Structures Construction
32411	Petroleum Refineries
32412	Asphalt Paving, Roofing, and Saturated Materials Manufacturing
32419	Other Petroleum and Coal Products Manufacturing
32511	Petrochemical Manufacturing
32512	Industrial Gas Manufacturing
33121	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
33241	Power Boiler and Heat Exchanger Manufacturing
33242	Metal Tank (Heavy Gauge) Manufacturing
33291	Metal Valve Manufacturing
33313	Mining and Oil and Gas Field Machinery Manufacturing
33341	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing
33361	Engine, Turbine, and Power Transmission Equipment Manufacturing
33391	Pump and Compressor Manufacturing
33531	Electrical Equipment Manufacturing
33591	Battery Manufacturing
42352	Coal and Other Mineral and Ore Merchant Wholesalers
42471	Petroleum Bulk Stations and Terminals
42472	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
48611	Pipeline Transportation of Crude Oil
48621	Pipeline Transportation of Natural Gas
48691	Pipeline Transportation of Refined Petroleum Products
48699	All Other Pipeline Transportation
54136	Geophysical Surveying and Mapping Services
54138	Testing Laboratories

**Agribusiness and Biosciences Industries****NAICS Industry Description**

11100	Crop Production
11200	Animal Production
11311	Timber Tract Operations
11321	Forest Nurseries and Gathering of Forest Products
11331	Logging
11411	Fishing
11421	Hunting and Trapping
11511	Support Activities for Crop Production

**NAICS Industry Description**

11521	Support Activities for Animal Production
11531	Support Activities for Forestry
31111	Animal Food Manufacturing
31121	Flour Milling and Malt Manufacturing
31122	Starch and Vegetable Fats and Oils Manufacturing
31123	Breakfast Cereal Manufacturing
31131	Sugar Manufacturing
31134	Nonchocolate Confectionery Manufacturing
31135	Chocolate and Confectionery Manufacturing
31141	Frozen Food Manufacturing
31142	Fruit and Vegetable Canning, Pickling, and Drying
31151	Dairy Product (except Frozen) Manufacturing
31152	Ice Cream and Frozen Dessert Manufacturing
31161	Animal Slaughtering and Processing
31171	Seafood Product Preparation and Packaging
31181	Bread and Bakery Product Manufacturing
31182	Cookie, Cracker, and Pasta Manufacturing
31183	Tortilla Manufacturing
31191	Snack Food Manufacturing
31192	Coffee and Tea Manufacturing
31193	Flavoring Syrup and Concentrate Manufacturing
31194	Seasoning and Dressing Manufacturing
31199	All Other Food Manufacturing
31211	Soft Drink and Ice Manufacturing
31212	Breweries
31213	Wineries
31214	Distilleries
32111	Sawmills and Wood Preservation
32121	Veneer, Plywood, and Engineered Wood Product Manufacturing
32191	Millwork
32192	Wood Container and Pallet Manufacturing
32199	All Other Wood Product Manufacturing
32211	Pulp Mills
32212	Paper Mills
32213	Paperboard Mills
32221	Paperboard Container Manufacturing
32222	Paper Bag and Coated and Treated Paper Manufacturing
32512	Industrial Gas Manufacturing
32519	Other Basic Organic Chemical Manufacturing
32522	Artificial and Synthetic Fibers and Filaments Manufacturing
32531	Fertilizer Manufacturing
32532	Pesticide and Other Agricultural Chemical Manufacturing
32541	Pharmaceutical and Medicine Manufacturing

**NAICS Industry Description**

33311	Agricultural Implement Manufacturing
33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
33461	Manufacturing and Reproducing Magnetic and Optical Media
33911	Medical Equipment and Supplies Manufacturing
42345	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers
42346	Ophthalmic Goods Merchant Wholesalers
42382	Farm and Garden Machinery and Equipment Merchant Wholesalers
42421	Drugs and Druggists' Sundries Merchant Wholesalers
42443	Dairy Product (except Dried or Canned) Merchant Wholesalers
42444	Poultry and Poultry Product Merchant Wholesalers
42445	Confectionery Merchant Wholesalers
42446	Fish and Seafood Merchant Wholesalers
42447	Meat and Meat Product Merchant Wholesalers
42448	Fresh Fruit and Vegetable Merchant Wholesalers
42449	Other Grocery and Related Products Merchant Wholesalers
42451	Grain and Field Bean Merchant Wholesalers
42452	Livestock Merchant Wholesalers
42459	Other Farm Product Raw Material Merchant Wholesalers
42481	Beer and Ale Merchant Wholesalers
42482	Wine and Distilled Alcoholic Beverage Merchant Wholesalers
42491	Farm Supplies Merchant Wholesalers
49313	Farm Product Warehousing and Storage
54133	Engineering Services
54138	Testing Laboratories
54162	Environmental Consulting Services
54171	Research and Development in the Physical, Engineering, and Life Sciences
54194	Veterinary Services
54199	All Other Professional, Scientific, and Technical Services
62151	Medical and Diagnostic Laboratories

**Informational and Financial Services Industries****NAICS Industry Description**

33411	Computer and Peripheral Equipment Manufacturing
51121	Software Publishers
51731	Wired and Wireless Telecommunications Carriers
51741	Satellite Telecommunications
51791	Other Telecommunications
51821	Data Processing, Hosting, and Related Services
51913	Internet Publishing and Broadcasting and Web Search Portals
51919	All Other Information Services
52111	Monetary Authorities-Central Bank
52211	Commercial Banking
52212	Savings Institutions

**NAICS Industry Description**

52213	Credit Unions
52219	Other Depository Credit Intermediation
52221	Credit Card Issuing
52222	Sales Financing
52229	Other Nondepository Credit Intermediation
52231	Mortgage and Nonmortgage Loan Brokers
52232	Financial Transactions Processing, Reserve, and Clearinghouse Activities
52239	Other Activities Related to Credit Intermediation
52311	Investment Banking and Securities Dealing
52312	Securities Brokerage
52313	Commodity Contracts Dealing
52314	Commodity Contracts Brokerage
52321	Securities and Commodity Exchanges
52391	Miscellaneous Intermediation
52392	Portfolio Management
52393	Investment Advice
52399	All Other Financial Investment Activities
52411	Direct Life, Health, and Medical Insurance Carriers
52412	Direct Insurance (except Life, Health, and Medical) Carriers
52413	Reinsurance Carriers
52429	Other Insurance Related Activities
52511	Pension Funds
52512	Health and Welfare Funds
52519	Other Insurance Funds
52591	Open-End Investment Funds
52592	Trusts, Estates, and Agency Accounts
52599	Other Financial Vehicles
54121	Accounting, Tax Preparation, Bookkeeping, and Payroll Services
54151	Computer Systems Design and Related Services
55111	Management of Companies and Enterprises

**Transportation and Logistics Industries****NAICS Industry Description**

32621	Tire Manufacturing
33361	Engine, Turbine, and Power Transmission Equipment Manufacturing
33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
33611	Automobile and Light Duty Motor Vehicle Manufacturing
33612	Heavy Duty Truck Manufacturing
33621	Motor Vehicle Body and Trailer Manufacturing
33631	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing
33632	Motor Vehicle Electrical and Electronic Equipment Manufacturing
33633	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing
33634	Motor Vehicle Brake System Manufacturing

**NAICS Industry Description**

33635	Motor Vehicle Transmission and Power Train Parts Manufacturing
33636	Motor Vehicle Seating and Interior Trim Manufacturing
33637	Motor Vehicle Metal Stamping
33639	Other Motor Vehicle Parts Manufacturing
33651	Railroad Rolling Stock Manufacturing
33661	Ship and Boat Building
33699	Other Transportation Equipment Manufacturing
42311	Automobile and Other Motor Vehicle Merchant Wholesalers
42312	Motor Vehicle Supplies and New Parts Merchant Wholesalers
42313	Tire and Tube Merchant Wholesalers
42314	Motor Vehicle Parts (Used) Merchant Wholesalers
42321	Furniture Merchant Wholesalers
42322	Home Furnishing Merchant Wholesalers
42331	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers
42332	Brick, Stone, and Related Construction Material Merchant Wholesalers
42333	Roofing, Siding, and Insulation Material Merchant Wholesalers
42339	Other Construction Material Merchant Wholesalers
42341	Photographic Equipment and Supplies Merchant Wholesalers
42342	Office Equipment Merchant Wholesalers
42343	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers
42344	Other Commercial Equipment Merchant Wholesalers
42345	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers
42346	Ophthalmic Goods Merchant Wholesalers
42349	Other Professional Equipment and Supplies Merchant Wholesalers
42351	Metal Service Centers and Other Metal Merchant Wholesalers
42352	Coal and Other Mineral and Ore Merchant Wholesalers
42361	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers
42362	Household Appliances, Electric Housewares, and Consumer Electronics Merchant Wholesalers
42369	Other Electronic Parts and Equipment Merchant Wholesalers
42371	Hardware Merchant Wholesalers
42372	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers
42373	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers
42374	Refrigeration Equipment and Supplies Merchant Wholesalers
42381	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers
42382	Farm and Garden Machinery and Equipment Merchant Wholesalers
42383	Industrial Machinery and Equipment Merchant Wholesalers
42384	Industrial Supplies Merchant Wholesalers
42385	Service Establishment Equipment and Supplies Merchant Wholesalers
42386	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers
42391	Sporting and Recreational Goods and Supplies Merchant Wholesalers
42392	Toy and Hobby Goods and Supplies Merchant Wholesalers

**NAICS Industry Description**

42393	Recyclable Material Merchant Wholesalers
42394	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers
42399	Other Miscellaneous Durable Goods Merchant Wholesalers
42411	Printing and Writing Paper Merchant Wholesalers
42412	Stationery and Office Supplies Merchant Wholesalers
42413	Industrial and Personal Service Paper Merchant Wholesalers
42421	Drugs and Druggists' Sundries Merchant Wholesalers
42431	Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers
42432	Men's and Boys' Clothing and Furnishings Merchant Wholesalers
42433	Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers
42434	Footwear Merchant Wholesalers
42441	General Line Grocery Merchant Wholesalers
42442	Packaged Frozen Food Merchant Wholesalers
42443	Dairy Product (except Dried or Canned) Merchant Wholesalers
42444	Poultry and Poultry Product Merchant Wholesalers
42445	Confectionery Merchant Wholesalers
42446	Fish and Seafood Merchant Wholesalers
42447	Meat and Meat Product Merchant Wholesalers
42448	Fresh Fruit and Vegetable Merchant Wholesalers
42449	Other Grocery and Related Products Merchant Wholesalers
42451	Grain and Field Bean Merchant Wholesalers
42452	Livestock Merchant Wholesalers
42459	Other Farm Product Raw Material Merchant Wholesalers
42461	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers
42469	Other Chemical and Allied Products Merchant Wholesalers
42471	Petroleum Bulk Stations and Terminals
42472	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
42481	Beer and Ale Merchant Wholesalers
42482	Wine and Distilled Alcoholic Beverage Merchant Wholesalers
42491	Farm Supplies Merchant Wholesalers
42492	Book, Periodical, and Newspaper Merchant Wholesalers
42493	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers
42494	Tobacco and Tobacco Product Merchant Wholesalers
42495	Paint, Varnish, and Supplies Merchant Wholesalers
42499	Other Miscellaneous Nondurable Goods Merchant Wholesalers
42511	Business to Business Electronic Markets
42512	Wholesale Trade Agents and Brokers
48111	Scheduled Air Transportation
48121	Nonscheduled Air Transportation
48211	Rail Transportation
48321	Inland Water Transportation
48411	General Freight Trucking, Local

**NAICS Industry Description**

48412	General Freight Trucking, Long-Distance
48422	Specialized Freight (except Used Goods) Trucking, Local
48423	Specialized Freight (except Used Goods) Trucking, Long-Distance
48611	Pipeline Transportation of Crude Oil
48621	Pipeline Transportation of Natural Gas
48691	Pipeline Transportation of Refined Petroleum Products
48699	All Other Pipeline Transportation
48811	Airport Operations
48819	Other Support Activities for Air Transportation
48821	Support Activities for Rail Transportation
48839	Other Support Activities for Water Transportation
48841	Motor Vehicle Towing
48849	Other Support Activities for Road Transportation
48851	Freight Transportation Arrangement
48899	Other Support Activities for Transportation
49311	General Warehousing and Storage
49312	Refrigerated Warehousing and Storage
49313	Farm Product Warehousing and Storage
49319	Other Warehousing and Storage

**Automotive Industries****NAICS Industry Description**

33611	Automobile and Light Duty Motor Vehicle Manufacturing
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**Manufacturing Industries****NAICS Industry Description**

31111	Animal Food Manufacturing
31121	Flour Milling and Malt Manufacturing
31122	Starch and Vegetable Fats and Oils Manufacturing
31123	Breakfast Cereal Manufacturing
31131	Sugar Manufacturing
31134	Nonchocolate Confectionery Manufacturing
31135	Chocolate and Confectionery Manufacturing
31141	Frozen Food Manufacturing
31142	Fruit and Vegetable Canning, Pickling, and Drying
31151	Dairy Product (except Frozen) Manufacturing
31152	Ice Cream and Frozen Dessert Manufacturing
31161	Animal Slaughtering and Processing
31171	Seafood Product Preparation and Packaging
31181	Bread and Bakery Product Manufacturing
31182	Cookie, Cracker, and Pasta Manufacturing
31183	Tortilla Manufacturing
31191	Snack Food Manufacturing

**NAICS Industry Description**

31192	Coffee and Tea Manufacturing
31193	Flavoring Syrup and Concentrate Manufacturing
31194	Seasoning and Dressing Manufacturing
31199	All Other Food Manufacturing
31211	Soft Drink and Ice Manufacturing
31212	Breweries
31213	Wineries
31214	Distilleries
31223	Tobacco Manufacturing
31311	Fiber, Yarn, and Thread Mills
31321	Broadwoven Fabric Mills
31322	Narrow Fabric Mills and Schifflli Machine Embroidery
31323	Nonwoven Fabric Mills
31324	Knit Fabric Mills
31331	Textile and Fabric Finishing Mills
31332	Fabric Coating Mills
31411	Carpet and Rug Mills
31412	Curtain and Linen Mills
31491	Textile Bag and Canvas Mills
31499	All Other Textile Product Mills
31511	Hosiery and Sock Mills
31519	Other Apparel Knitting Mills
31521	Cut and Sew Apparel Contractors
31522	Men's and Boys' Cut and Sew Apparel Manufacturing
31524	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
31528	Other Cut and Sew Apparel Manufacturing
31599	Apparel Accessories and Other Apparel Manufacturing
31611	Leather and Hide Tanning and Finishing
31621	Footwear Manufacturing
31699	Other Leather and Allied Product Manufacturing
32111	Sawmills and Wood Preservation
32121	Veneer, Plywood, and Engineered Wood Product Manufacturing
32191	Millwork
32192	Wood Container and Pallet Manufacturing
32199	All Other Wood Product Manufacturing
32211	Pulp Mills
32212	Paper Mills
32213	Paperboard Mills
32221	Paperboard Container Manufacturing
32222	Paper Bag and Coated and Treated Paper Manufacturing
32223	Stationery Product Manufacturing
32229	Other Converted Paper Product Manufacturing
32311	Printing



**NAICS Industry Description**

32312	Support Activities for Printing
32411	Petroleum Refineries
32412	Asphalt Paving, Roofing, and Saturated Materials Manufacturing
32419	Other Petroleum and Coal Products Manufacturing
32511	Petrochemical Manufacturing
32512	Industrial Gas Manufacturing
32513	Synthetic Dye and Pigment Manufacturing
32518	Other Basic Inorganic Chemical Manufacturing
32519	Other Basic Organic Chemical Manufacturing
32521	Resin and Synthetic Rubber Manufacturing
32522	Artificial and Synthetic Fibers and Filaments Manufacturing
32531	Fertilizer Manufacturing
32532	Pesticide and Other Agricultural Chemical Manufacturing
32541	Pharmaceutical and Medicine Manufacturing
32551	Paint and Coating Manufacturing
32552	Adhesive Manufacturing
32561	Soap and Cleaning Compound Manufacturing
32562	Toilet Preparation Manufacturing
32591	Printing Ink Manufacturing
32592	Explosives Manufacturing
32599	All Other Chemical Product and Preparation Manufacturing
32611	Plastics Packaging Materials and Unlaminated Film and Sheet Manufacturing
32612	Plastics Pipe, Pipe Fitting, and Unlaminated Profile Shape Manufacturing
32613	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing
32614	Polystyrene Foam Product Manufacturing
32615	Urethane and Other Foam Product (except Polystyrene) Manufacturing
32616	Plastics Bottle Manufacturing
32619	Other Plastics Product Manufacturing
32621	Tire Manufacturing
32622	Rubber and Plastics Hoses and Belting Manufacturing
32629	Other Rubber Product Manufacturing
32711	Pottery, Ceramics, and Plumbing Fixture Manufacturing
32712	Clay Building Material and Refractories Manufacturing
32721	Glass and Glass Product Manufacturing
32731	Cement Manufacturing
32732	Ready-Mix Concrete Manufacturing
32733	Concrete Pipe, Brick, and Block Manufacturing
32739	Other Concrete Product Manufacturing
32741	Lime Manufacturing
32742	Gypsum Product Manufacturing
32791	Abrasive Product Manufacturing
32799	All Other Nonmetallic Mineral Product Manufacturing
33111	Iron and Steel Mills and Ferroalloy Manufacturing

**NAICS Industry Description**

33121	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
33122	Rolling and Drawing of Purchased Steel
33131	Alumina and Aluminum Production and Processing
33141	Nonferrous Metal (except Aluminum) Smelting and Refining
33142	Copper Rolling, Drawing, Extruding, and Alloying
33149	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, Extruding, and Alloying
33151	Ferrous Metal Foundries
33152	Nonferrous Metal Foundries
33211	Forging and Stamping
33221	Cutlery and Handtool Manufacturing
33231	Plate Work and Fabricated Structural Product Manufacturing
33232	Ornamental and Architectural Metal Products Manufacturing
33241	Power Boiler and Heat Exchanger Manufacturing
33242	Metal Tank (Heavy Gauge) Manufacturing
33243	Metal Can, Box, and Other Metal Container (Light Gauge) Manufacturing
33251	Hardware Manufacturing
33261	Spring and Wire Product Manufacturing
33271	Machine Shops
33272	Turned Product and Screw, Nut, and Bolt Manufacturing
33281	Coating, Engraving, Heat Treating, and Allied Activities
33291	Metal Valve Manufacturing
33299	All Other Fabricated Metal Product Manufacturing
33311	Agricultural Implement Manufacturing
33312	Construction Machinery Manufacturing
33313	Mining and Oil and Gas Field Machinery Manufacturing
33324	Industrial Machinery Manufacturing
33331	Commercial and Service Industry Machinery Manufacturing Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment
33341	Manufacturing
33351	Metalworking Machinery Manufacturing
33361	Engine, Turbine, and Power Transmission Equipment Manufacturing
33391	Pump and Compressor Manufacturing
33392	Material Handling Equipment Manufacturing
33399	All Other General Purpose Machinery Manufacturing
33411	Computer and Peripheral Equipment Manufacturing
33421	Telephone Apparatus Manufacturing
33422	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
33429	Other Communications Equipment Manufacturing
33431	Audio and Video Equipment Manufacturing
33441	Semiconductor and Other Electronic Component Manufacturing
33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
33461	Manufacturing and Reproducing Magnetic and Optical Media
33511	Electric Lamp Bulb and Part Manufacturing

**NAICS Industry Description**

33512	Lighting Fixture Manufacturing
33521	Small Electrical Appliance Manufacturing
33522	Major Household Appliance Manufacturing
33531	Electrical Equipment Manufacturing
33591	Battery Manufacturing
33592	Communication and Energy Wire and Cable Manufacturing
33593	Wiring Device Manufacturing
33599	All Other Electrical Equipment and Component Manufacturing
33611	Automobile and Light Duty Motor Vehicle Manufacturing
33612	Heavy Duty Truck Manufacturing
33621	Motor Vehicle Body and Trailer Manufacturing
33631	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing
33632	Motor Vehicle Electrical and Electronic Equipment Manufacturing
33633	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing
33634	Motor Vehicle Brake System Manufacturing
33635	Motor Vehicle Transmission and Power Train Parts Manufacturing
33636	Motor Vehicle Seating and Interior Trim Manufacturing
33637	Motor Vehicle Metal Stamping
33639	Other Motor Vehicle Parts Manufacturing
33641	Aerospace Product and Parts Manufacturing
33651	Railroad Rolling Stock Manufacturing
33661	Ship and Boat Building
33699	Other Transportation Equipment Manufacturing
33711	Wood Kitchen Cabinet and Countertop Manufacturing
33712	Household and Institutional Furniture Manufacturing
33721	Office Furniture (including Fixtures) Manufacturing
33791	Mattress Manufacturing
33792	Blind and Shade Manufacturing
33911	Medical Equipment and Supplies Manufacturing
33991	Jewelry and Silverware Manufacturing
33992	Sporting and Athletic Goods Manufacturing
33993	Doll, Toy, and Game Manufacturing
33994	Office Supplies (except Paper) Manufacturing
33995	Sign Manufacturing
33999	All Other Miscellaneous Manufacturing

**Construction Industries****NAICS Industry Description**

23611	Residential Building Construction
23621	Industrial Building Construction
23622	Commercial and Institutional Building Construction
23711	Water and Sewer Line and Related Structures Construction
23712	Oil and Gas Pipeline and Related Structures Construction

**NAICS Industry Description**

23713	Power and Communication Line and Related Structures Construction
23721	Land Subdivision
23731	Highway, Street, and Bridge Construction
23799	Other Heavy and Civil Engineering Construction
23811	Poured Concrete Foundation and Structure Contractors
23812	Structural Steel and Precast Concrete Contractors
23813	Framing Contractors
23814	Masonry Contractors
23815	Glass and Glazing Contractors
23816	Roofing Contractors
23817	Siding Contractors
23819	Other Foundation, Structure, and Building Exterior Contractors
23821	Electrical Contractors and Other Wiring Installation Contractors
23822	Plumbing, Heating, and Air-Conditioning Contractors
23829	Other Building Equipment Contractors
23831	Drywall and Insulation Contractors
23832	Painting and Wall Covering Contractors
23833	Flooring Contractors
23834	Tile and Terrazzo Contractors
23835	Finish Carpentry Contractors
23839	Other Building Finishing Contractors
23891	Site Preparation Contractors
23899	All Other Specialty Trade Contractors

**Healthcare Industries****NAICS Industry Description**

62111	Offices of Physicians
62121	Offices of Dentists
62131	Offices of Chiropractors
62132	Offices of Optometrists
62133	Offices of Mental Health Practitioners (except Physicians)
62134	Offices of Physical, Occupational and Speech Therapists, and Audiologists
62139	Offices of All Other Health Practitioners
62141	Family Planning Centers
62142	Outpatient Mental Health and Substance Abuse Centers
62149	Other Outpatient Care Centers
62151	Medical and Diagnostic Laboratories
62161	Home Health Care Services
62191	Ambulance Services
62199	All Other Ambulatory Health Care Services
62211	General Medical and Surgical Hospitals
62221	Psychiatric and Substance Abuse Hospitals
62231	Specialty (except Psychiatric and Substance Abuse) Hospitals

**NAICS Industry Description**

62311	Nursing Care Facilities (Skilled Nursing Facilities)
62321	Residential Intellectual and Developmental Disability Facilities
62322	Residential Mental Health and Substance Abuse Facilities
62331	Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly
62399	Other Residential Care Facilities
62411	Child and Youth Services
62412	Services for the Elderly and Persons with Disabilities
62419	Other Individual and Family Services
62421	Community Food Services
62422	Community Housing Services
62423	Emergency and Other Relief Services
62431	Vocational Rehabilitation Services
62441	Child Day Care Services

**Education Industries****NAICS Industry Description**

61111	Elementary and Secondary Schools
61121	Junior Colleges
61131	Colleges, Universities, and Professional Schools
61141	Business and Secretarial Schools
61142	Computer Training
61143	Professional and Management Development Training
61151	Technical and Trade Schools
61161	Fine Arts Schools
61162	Sports and Recreation Instruction
61163	Language Schools
61169	All Other Schools and Instruction
61171	Educational Support Services

**Creative Industries****NAICS Industry Description**

23622	Commercial and Institutional Building Construction
51211	Motion Picture and Video Production
51212	Motion Picture and Video Distribution
51213	Motion Picture and Video Exhibition
51219	Postproduction Services and Other Motion Picture and Video Industries
51223	Music Publishers
51224	Sound Recording Studios
51225	Record Production and Distribution
51229	Other Sound Recording Industries
54131	Architectural Services
54132	Landscape Architectural Services
54133	Engineering Services

**NAICS Industry Description**

54134	Drafting Services
54141	Interior Design Services
54142	Industrial Design Services
54143	Graphic Design Services
54149	Other Specialized Design Services
54181	Advertising Agencies
54182	Public Relations Agencies
54183	Media Buying Agencies
54184	Media Representatives
54185	Outdoor Advertising
54186	Direct Mail Advertising
54187	Advertising Material Distribution Services
54189	Other Services Related to Advertising
54192	Photographic Services
71111	Theater Companies and Dinner Theaters
71112	Dance Companies
71113	Musical Groups and Artists
71119	Other Performing Arts Companies
71131	Promoters of Performing Arts, Sports, and Similar Events with Facilities
71132	Promoters of Performing Arts, Sports, and Similar Events without Facilities
71141	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures
71151	Independent Artists, Writers, and Performers
71211	Museums
71212	Historical Sites

## Target Sector Staffing Patterns

**Table 13: Top Staffed Aerospace Occupations in 2021**

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
51-4121	Welders, Cutters, Solderers, and Brazers	200	234	34	17%	5.7%	\$17.82	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9161	Computer Numerically Controlled Tool Operators	170	173	3	2%	4.9%	\$18.19	High school diploma or equivalent	None	Moderate-term on-the-job training
11-1021	General and Operations Managers	159	179	20	12%	4.6%	\$35.68	Bachelor's degree	5 years or more	None
51-4041	Machinists	102	123	21	20%	2.9%	\$21.37	High school diploma or equivalent	None	Long-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	100	103	4	4%	2.9%	\$17.18	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters,	97	92	-4	-4%	2.8%	\$21.15	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
	Samplers, and Weighers									
49-9041	Industrial Machinery Mechanics	96	114	18	19%	2.8%	\$29.15	High school diploma or equivalent	None	Long-term on-the-job training
51-2098	Miscellaneous Assemblers and Fabricators	90	97	7	7%	2.6%	\$16.64	High school diploma or equivalent	None	Moderate-term on-the-job training
51-1011	First-Line Supervisors of Production and Operating Workers	90	105	16	17%	2.6%	\$29.42	High school diploma or equivalent	Less than 5 years	None
43-3031	Bookkeeping, Accounting, and Auditing Clerks	76	81	5	6%	2.2%	\$17.71	Some college, no degree	None	Moderate-term on-the-job training

Source: *Lightcast- economicmodeling.com- 2022.3*



Table 14: Top Growing Aerospace Occupations by 2026

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
51-4121	Welders, Cutters, Solderers, and Brazers	200	234	34	17%	5.7%	\$17.82	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	102	123	21	20%	2.9%	\$21.37	High school diploma or equivalent	None	Long-term on-the-job training
11-1021	General and Operations Managers	159	179	20	12%	4.6%	\$35.68	Bachelor's degree	5 years or more	None
49-9041	Industrial Machinery Mechanics	96	114	18	19%	2.8%	\$29.15	High school diploma or equivalent	None	Long-term on-the-job training
15-1252	Software Developers	44	60	16	36%	1.3%	\$38.17	Bachelor's degree	None	None
51-1011	First-Line Supervisors of Production and Operating Workers	90	105	16	17%	2.6%	\$29.42	High school diploma or equivalent	Less than 5 years	None
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	60	71	11	19%	1.7%	\$14.26	No formal educational credential	None	Short-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except	36	45	10	27%	1.0%	\$22.74	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
	Technical and Scientific Products									
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	52	61	9	17%	1.5%	\$17.41	High school diploma or equivalent	None	Moderate-term on-the-job training
13-1111	Management Analysts	22	31	9	40%	0.6%	\$34.05	Bachelor's degree	Less than 5 years	None

Source: Lightcast- [economicmodeling.com](https://economicmodeling.com)- 2022.3

**Table 15: Top Staffed Agribusiness & Bioscience Occupations in 2021**

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	804	753	-51	-6%	9.9%	\$14.36	No formal educational credential	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	531	552	21	4%	6.5%	\$14.26	No formal educational credential	None	Short-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	298	366	69	23%	3.7%	\$13.09	No formal educational credential	None	Short-term on-the-job training
11-9013	Farmers, Ranchers, and Other Agricultural Managers	230	265	35	15%	2.8%	\$17.89	High school diploma or equivalent	5 years or more	None
51-3092	Food Batchmakers	200	200	0	0%	2.5%	\$15.26	High school diploma or equivalent	None	Moderate-term on-the-job training
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	196	207	11	6%	2.4%	\$12.19	No formal educational credential	None	Short-term on-the-job training
51-1011	First-Line Supervisors of Production and	182	202	19	10%	2.2%	\$29.42	High school diploma or equivalent	Less than 5 years	None

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
	Operating Workers									
51-2098	Miscellaneous Assemblers and Fabricators	180	204	24	13%	2.2%	\$16.64	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	179	188	9	5%	2.2%	\$22.32	Postsecondary nondegree award	None	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	160	164	5	3%	2.0%	\$13.53	No formal educational credential	None	Short-term on-the-job training

Source: Lightcast- [economicmodeling.com](https://economicmodeling.com)- 2022.3

**Table 16: Top Growing Agribusiness & Bioscience Occupations by 2026**

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	298	366	69	23%	3.7%	\$13.09	No formal educational credential	None	Short-term on-the-job training
11-9013	Farmers, Ranchers, and Other Agricultural Managers	230	265	35	15%	2.8%	\$17.89	High school diploma or equivalent	5 years or more	None
51-2098	Miscellaneous Assemblers and Fabricators	180	204	24	13%	2.2%	\$16.64	High school diploma or equivalent	None	Moderate-term on-the-job training
51-3011	Bakers	52	74	22	43%	0.6%	\$10.92	No formal educational credential	None	Long-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	531	552	21	4%	6.5%	\$14.26	No formal educational credential	None	Short-term on-the-job training
49-9041	Industrial Machinery Mechanics	80	101	21	26%	1.0%	\$29.15	High school diploma or equivalent	None	Long-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	152	173	21	14%	1.9%	\$17.27	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
29-2018	Clinical Laboratory Technologists and Technicians	56	75	19	35%	0.7%	\$22.80	Bachelor's degree	None	None
51-1011	First-Line Supervisors of Production and Operating Workers	182	202	19	10%	2.2%	\$29.42	High school diploma or equivalent	Less than 5 years	None
31-9097	Phlebotomists	31	46	15	47%	0.4%	\$13.82	Postsecondary nondegree award	None	None

Source: Lightcast- [economicmodeling.com](https://economicmodeling.com)- 2022.3

Table 17: Top Staffed Energy Occupations in 2021

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
47-5071	Roustabouts, Oil and Gas	446	384	-61	-14%	7.7%	\$18.63	No formal educational credential	None	Moderate-term on-the-job training
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	399	388	-11	-3%	6.9%	\$37.53	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5012	Rotary Drill Operators, Oil and Gas	249	204	-45	-18%	4.3%	\$23.16	No formal educational credential	None	Moderate-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	232	263	31	13%	4.0%	\$30.99	High school diploma or equivalent	None	Long-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	193	175	-18	-9%	3.3%	\$19.13	High school diploma or equivalent	None	Moderate-term on-the-job training
53-7073	Wellhead Pumpers	189	201	12	6%	3.3%	\$24.35	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
47-1011	First-Line Supervisors of Construction Trades and	183	177	-5	-3%	3.2%	\$29.33	High school diploma or equivalent	5 years or more	None

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
	Extraction Workers									
11-1021	General and Operations Managers	159	159	0	0%	2.7%	\$35.68	Bachelor's degree	5 years or more	None
53-3032	Heavy and Tractor-Trailer Truck Drivers	155	133	-22	-14%	2.7%	\$22.32	Postsecondary nondegree award	None	Short-term on-the-job training
47-5013	Service Unit Operators, Oil and Gas	153	152	-1	-1%	2.6%	\$23.55	No formal educational credential	None	Moderate-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3



**Table 18: Top Growing Energy Occupations by 2026**

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
49-9051	Electrical Power-Line Installers and Repairers	232	263	31	13%	4.0%	\$30.99	High school diploma or equivalent	None	Long-term on-the-job training
53-7073	Wellhead Pumpers	189	201	12	6%	3.3%	\$24.35	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
51-8092	Gas Plant Operators	89	98	9	10%	1.5%	\$33.49	High school diploma or equivalent	None	Long-term on-the-job training
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	119	127	8	7%	2.1%	\$29.49	High school diploma or equivalent	Less than 5 years	None
49-9052	Telecommunications Line Installers and Repairers	32	39	7	23%	0.5%	\$22.64	High school diploma or equivalent	None	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	105	111	7	6%	1.8%	\$29.15	High school diploma or equivalent	None	Long-term on-the-job training
13-2011	Accountants and Auditors	55	62	6	12%	1.0%	\$29.28	Bachelor's degree	None	None
17-2171	Petroleum Engineers	54	59	6	10%	0.9%	\$70.87	Bachelor's degree	None	None

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
47-2111	Electricians	68	72	4	6%	1.2%	\$27.58	High school diploma or equivalent	None	Apprenticeship
11-9021	Construction Managers	24	28	3	14%	0.4%	\$38.21	Bachelor's degree	None	Moderate-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3

**Table 19: Top Staffed Information and Financial Services Occupations in 2021**

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
43-3071	Tellers	799	692	-107	-13%	15.2%	\$13.45	High school diploma or equivalent	None	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	323	299	-23	-7%	6.1%	\$14.84	High school diploma or equivalent	None	Short-term on-the-job training
13-2011	Accountants and Auditors	303	334	31	10%	5.8%	\$29.28	Bachelor's degree	None	None
13-2072	Loan Officers	288	277	-11	-4%	5.5%	\$28.86	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	277	279	2	1%	5.3%	\$17.71	Some college, no degree	None	Moderate-term on-the-job training
43-4051	Customer Service Representatives	233	235	2	1%	4.4%	\$13.83	High school diploma or equivalent	None	Short-term on-the-job training
43-1011	First-Line Supervisors of Office and Administrative Support Workers	210	201	-9	-4%	4.0%	\$23.11	High school diploma or equivalent	Less than 5 years	None
43-4141	New Accounts Clerks	176	151	-25	-14%	3.4%	\$14.73	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
11-1021	General and Operations Managers	172	185	13	8%	3.3%	\$35.68	Bachelor's degree	5 years or more	None
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	124	123	-1	0%	2.4%	\$14.78	High school diploma or equivalent	None	Short-term on-the-job training

Source: Lightcast- [economicmodeling.com](https://economicmodeling.com)- 2022.3

**Table 20: Top Growing Information and Financial Services Occupations by 2026**

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
13-2011	Accountants and Auditors	303	334	31	10%	5.8%	\$29.28	Bachelor's degree	None	None
15-1252	Software Developers	68	94	26	38%	1.3%	\$38.17	Bachelor's degree	None	None
11-3031	Financial Managers	122	138	17	14%	2.3%	\$45.80	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	172	185	13	8%	3.3%	\$35.68	Bachelor's degree	5 years or more	None
41-3031	Securities, Commodities, and Financial Services Sales Agents	62	74	12	19%	1.2%	\$21.11	Bachelor's degree	None	Moderate-term on-the-job training
13-1161	Market Research Analysts and Marketing Specialists	59	70	11	19%	1.1%	\$22.97	Bachelor's degree	None	None
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	123	133	11	9%	2.3%	\$20.73	High school diploma or equivalent	None	Moderate-term on-the-job training
13-2052	Personal Financial Advisors	70	80	9	13%	1.3%	\$36.62	Bachelor's degree	None	Long-term on-the-job training
49-2022	Telecommunications Equipment Installers and Repairers,	72	81	9	12%	1.4%	\$19.13	Postsecondary nondegree award	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
	Except Line Installers									
15-1232	Computer User Support Specialists	77	85	8	11%	1.5%	\$19.17	Some college, no degree	None	None

Source: Lightcast- [economicmodeling.com](http://economicmodeling.com)- 2022.3

**Table 21: Top Staffed Manufacturing Occupations in 2021**

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
51-2098	Miscellaneous Assemblers and Fabricators	821	834	14	2%	5.5%	\$16.64	High school diploma or equivalent	None	Moderate-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	796	746	-50	-6%	5.4%	\$14.36	No formal educational credential	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	733	762	29	4%	4.9%	\$14.26	No formal educational credential	None	Short-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	673	732	59	9%	4.5%	\$17.82	High school diploma or equivalent	None	Moderate-term on-the-job training
51-1011	First-Line Supervisors of Production and Operating Workers	582	624	42	7%	3.9%	\$29.42	High school diploma or equivalent	Less than 5 years	None
51-9197	Tire Builders	503	395	-108	-21%	3.4%	\$20.89	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	477	458	-19	-4%	3.2%	\$21.15	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	362	351	-11	-3%	2.4%	\$17.18	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
53-3032	Heavy and Tractor-Trailer Truck Drivers	352	380	28	8%	2.4%	\$22.32	Postsecondary nondegree award	None	Short-term on-the-job training
49-9071	Maintenance and Repair Workers, General	298	314	16	5%	2.0%	\$17.41	High school diploma or equivalent	None	Moderate-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3



**Table 22: Top Growing Manufacturing Occupations by 2026**

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
51-4121	Welders, Cutters, Solderers, and Brazers	673	732	59	9%	4.5%	\$17.82	High school diploma or equivalent	None	Moderate-term on-the-job training
51-1011	First-Line Supervisors of Production and Operating Workers	582	624	42	7%	3.9%	\$29.42	High school diploma or equivalent	Less than 5 years	None
49-9041	Industrial Machinery Mechanics	218	254	37	17%	1.5%	\$29.15	High school diploma or equivalent	None	Long-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	733	762	29	4%	4.9%	\$14.26	No formal educational credential	None	Short-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	352	380	28	8%	2.4%	\$22.32	Postsecondary nondegree award	None	Short-term on-the-job training
51-4041	Machinists	162	188	26	16%	1.1%	\$21.37	High school diploma or equivalent	None	Long-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	152	177	25	17%	1.0%	\$22.74	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
11-1021	General and Operations Managers	256	280	24	9%	1.7%	\$35.68	Bachelor's degree	5 years or more	None
51-3011	Bakers	51	73	22	44%	0.3%	\$10.92	No formal educational credential	None	Long-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	189	209	20	11%	1.3%	\$17.27	High school diploma or equivalent	None	Moderate-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3

**Table 23: Top Staffed Transportation and Logistics Occupations in 2021**

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
53-3032	Heavy and Tractor-Trailer Truck Drivers	1,970	2,098	128	6%	15.8%	\$22.32	Postsecondary nondegree award	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,363	1,426	63	5%	11.0%	\$14.26	No formal educational credential	None	Short-term on-the-job training
53-7065	Stockers and Order Fillers	911	957	47	5%	7.3%	\$13.33	High school diploma or equivalent	None	Short-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	711	758	47	7%	5.7%	\$18.35	No formal educational credential	None	Short-term on-the-job training
51-9197	Tire Builders	503	395	-108	-21%	4.0%	\$20.89	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	355	373	18	5%	2.9%	\$17.82	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2098	Miscellaneous Assemblers and Fabricators	344	342	-2	0%	2.8%	\$16.64	High school diploma or equivalent	None	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing,	316	360	44	14%	2.5%	\$22.74	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
	Except Technical and Scientific Products									
11-1021	General and Operations Managers	284	305	21	7%	2.3%	\$35.68	Bachelor's degree	5 years or more	None
43-5071	Shipping, Receiving, and Inventory Clerks	282	278	-4	-1%	2.3%	\$14.37	High school diploma or equivalent	None	Short-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3

**Table 24: Top Growing Transportation and Logistics Occupations by 2026**

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
53-3032	Heavy and Tractor-Trailer Truck Drivers	1,970	2,098	128	6%	15.8%	\$22.32	Postsecondary nondegree award	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,363	1,426	63	5%	11.0%	\$14.26	No formal educational credential	None	Short-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	711	758	47	7%	5.7%	\$18.35	No formal educational credential	None	Short-term on-the-job training
53-7065	Stockers and Order Fillers	911	957	47	5%	7.3%	\$13.33	High school diploma or equivalent	None	Short-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	316	360	44	14%	2.5%	\$22.74	High school diploma or equivalent	None	Moderate-term on-the-job training
11-1021	General and Operations Managers	284	305	21	7%	2.3%	\$35.68	Bachelor's degree	5 years or more	None
51-4121	Welders, Cutters, Solderers, and Brazers	355	373	18	5%	2.9%	\$17.82	High school diploma or equivalent	None	Moderate-term on-the-job training

SOC	Description	Employed in Industry Group (2021)	Employed in Industry Group (2026)	Change (2021 - 2026)	% Change (2021 - 2026)	% of Total Jobs in Industry Group (2021)	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	266	283	17	6%	2.1%	\$27.81	High school diploma or equivalent	Less than 5 years	None
53-3033	Light Truck Drivers	265	281	17	6%	2.1%	\$14.75	High school diploma or equivalent	None	Short-term on-the-job training
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	163	179	16	10%	1.3%	\$24.00	Bachelor's degree	None	Moderate-term on-the-job training

Source: Lightcast- economicmodeling.com- 2022.3