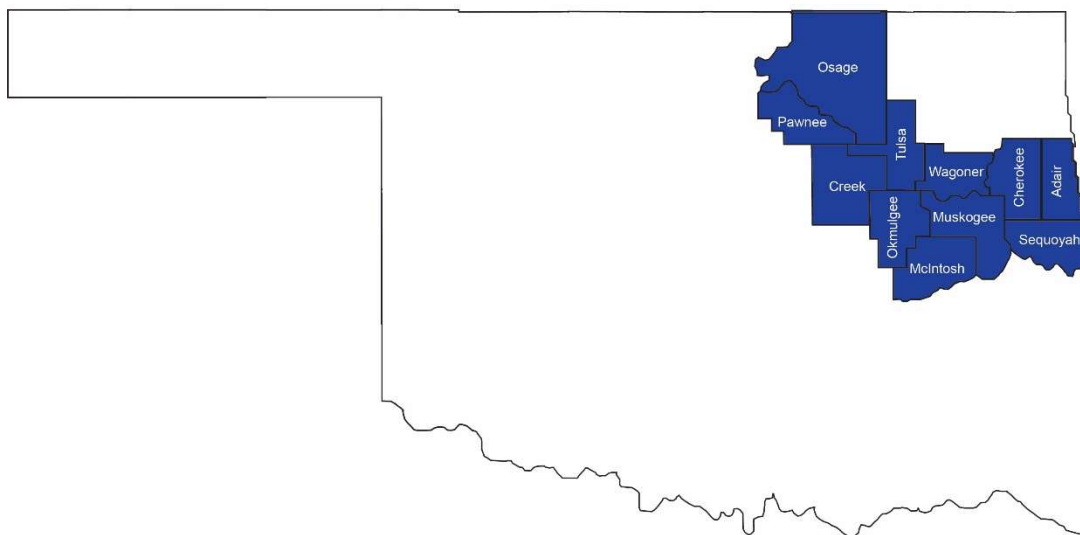


# GREEN COUNTRY OKLAHOMA WORKFORCE DEVELOPMENT AREA



## 2022 LOCAL BRIEFING



**OKLAHOMA  
WORKS®**

# Table of Contents

<b>Introduction</b> .....	<b>5</b>
<b>Population</b> .....	<b>5</b>
Population by County .....	5
Population by Age .....	7
Population by Race and Ethnicity .....	9
<b>Education</b> .....	<b>11</b>
Educational Attainment.....	11
Educational Attainment by Race and Ethnicity.....	13
Education Mismatch .....	14
Educational Assets .....	15
<b>Labor Force</b> .....	<b>15</b>
Labor Force Participation by County.....	16
Median Earnings.....	17
Commuter Data .....	18
<b>Top Industries by Total Jobs</b> .....	<b>18</b>
<b>Target Sectors</b> .....	<b>19</b>
Target Sector Staffing Patterns.....	21
<b>Summary</b> .....	<b>21</b>
<b>Appendix</b> .....	<b>22</b>
Target and Complementary NAICS Codes .....	24
Target Sector Staffing Patterns.....	39

## Tables

Table 1: Population by County .....	6
Table 2: Projected Population by County .....	7
Table 3: Population by Age .....	8
Table 4: Projected Population by Age .....	9
Table 5: Population by Race and Ethnicity .....	10
Table 6: Projected Population by Race and Ethnicity .....	11
Table 7: Educational Attainment .....	12
Table 8: Projected Educational Attainment.....	13
Table 9: Educational Assets.....	22
Table 10: Labor Force Participation by County .....	17
Table 11: Top Industries by Total Jobs .....	19
Table 12: Target Sector Projected Growth .....	20
Table 13: Top Staffed Aerospace Occupations in 2021.....	39
Table 14: Top Growing Aerospace Occupations by 2026.....	41
Table 15: Top Staffed Agribusiness and Bioscience Occupations in 2021 .....	43
Table 16: Top Growing Agribusiness and Bioscience Occupations by 2026 .....	45
Table 17: Top Staffed Energy Occupations in 2021 .....	47
Table 18: Top Growing Energy Occupations by 2026 .....	49
Table 19: Top Staffed Information and Financial Services Occupations in 2021 .....	51
Table 20: Top Growing Information and Financial Services Occupations by 2026 .....	53
Table 21: Top Staffed Manufacturing Occupations in 2021 .....	55
Table 22: Top Growing Manufacturing Occupations by 2026 .....	57
Table 23: Top Staffed Transportation and Logistics Occupations in 2021 .....	59
Table 24: Top Growing Transportation and Logistics Occupations by 2026 .....	61

## Figures

Figure 1: Population by County .....	5
Figure 2: Population by Age .....	7
Figure 3: Population by Race and Ethnicity .....	9
Figure 4: Educational Attainment .....	12
Figure 5: Educational Attainment by Race and Ethnicity .....	14
Figure 6: Education Attainment Mismatch .....	15
Figure 7: Labor Force Participation by County, June 2022 .....	16
Figure 8: Median Earnings by County .....	17
Figure 9: Local Area Commuter Patterns .....	18
Figure 10: Target and Complementary Sectors .....	20

## Introduction

The Green Country Oklahoma Workforce Development Area (WFDA) is composed of eleven Oklahoma Counties: Adair, Cherokee, Creek, McIntosh, Muskogee, Okmulgee, Osage, Pawnee, Sequoyah, Tulsa, and Wagoner. According to the U.S. Census Bureau, this combined region of Oklahoma covers 9,368 square miles and is home to over 1,100,000 residents. The following briefing reviews the population, education, labor force, top industries by total jobs and staffing patterns for state target sectors for the Green Country WFDA.

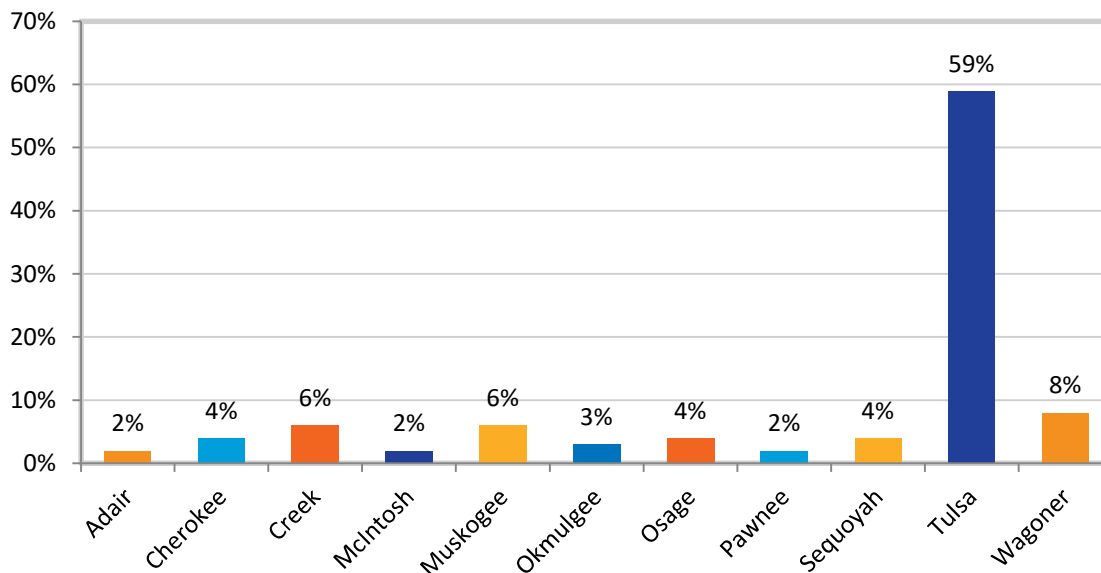
## Population

Between 2016 and 2021, the Green Country WFDA grew by approximately 2%, from 1,099,908 to 1,119,045, or around 19,137 additional people. By 2026, the area is expected to grow by an additional 2% to 1,145,693 people. The following shows population figures and analyses by county, age, race, and ethnicity in the Green Country WFDA.

### Population by County

Figure 1 shows the Green Country WFDA's percentage of population by county. This figure shows Tulsa County had the largest population representing 59% of the population in the Green Country WFDA. Wagoner County had the second largest population representing 8% of the population in the Green Country WFDA. Adair, McIntosh, and Pawnee counties had the smallest populations, each representing 2% of the population in the Green Country WFDA.

**Figure 1: Population by County**



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

Table 1 provides the area's population change from 2016 to 2021. During this period, five out of eleven counties increased in population. Tulsa County grew by the most at 15,843 people. Wagoner County added a significant amount of people to their population during this period, increasing by 6,656 additional people. Alternatively, Muskogee County experienced the largest decline at 1,705 fewer people.

**Table 1: Population by County**

County	2016 Population	2021 Population	Total Change
<b>Adair</b>	22,301	21,943	-358
<b>Cherokee</b>	48,868	49,142	274
<b>Creek</b>	71,161	71,348	187
<b>McIntosh</b>	19,761	19,610	-151
<b>Muskogee</b>	69,028	67,323	-1,705
<b>Okmulgee</b>	39,061	38,513	-548
<b>Osage</b>	47,364	46,617	-747
<b>Pawnee</b>	16,461	16,475	14
<b>Sequoyah</b>	41,887	41,560	-327
<b>Tulsa</b>	646,328	662,171	15,843
<b>Wagoner</b>	77,688	84,344	6,656
<b>Total</b>	<b>1,099,908</b>	<b>1,119,045</b>	<b>19,137</b>

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

Table 2 shows the projected population change from 2021 to 2026. During this period, nearly all counties in the Green Country WFDA are projected to grow in population. In particular, Tulsa County will continue to add the most people to the area at 17,637 more people by 2026. Wagoner County is projected to continue growing, adding 6,597 people to the area. Muskogee County is projected to continue declining with 1,138 fewer people by 2026.

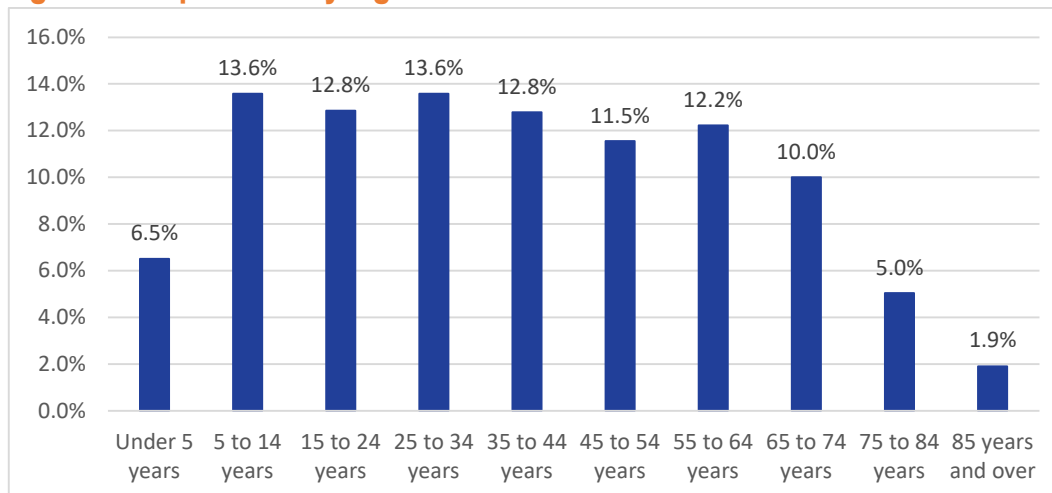
**Table 2: Projected Population by County**

County	2021 Population	2026 Population	Total Change
Adair	21,943	22,298	355
Cherokee	49,142	50,394	1,252
Creek	71,348	70,652	-696
McIntosh	19,610	19,679	69
Muskogee	67,323	66,184	-1,138
Okmulgee	38,513	40,290	1,777
Osage	46,617	46,674	57
Pawnee	16,475	16,990	516
Sequoyah	41,560	41,781	221
Tulsa	662,171	679,808	17,637
Wagoner	84,344	90,941	6,597
<b>Total</b>	<b>1,119,045</b>	<b>1,145,693</b>	<b>26,648</b>

Source: Lightcast- economicmodeling.com- 2022.3

## Population by Age

Figure 2 shows Green Country's population by age in 2021. 5- to 14- and 25- to 34-year-olds made up the largest percentage of the population, each at 13.6%. Individuals 15- to 24- and 35- to 44-years of age made up the second largest percentage of the population, each at 12.8%. Those aged 85 and over made up the smallest percentage of the population at 1.9%.

**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, half of all age groups grew in population. In particular, those over 65 grew while all age groups below 24 declined during this period. People aged 65 to 74 added the most people at 14,762 while 75- to 84- year-olds were next at 7,823. 25- to 34- year-olds grew the least, adding 1,180 more people since 2016. 45- to 54-year-olds decreased the most during this period at 8,046 fewer people.

**Table 3: Population by Age**

Age	2016 Population	2021 Population	Total Change
Under 5	75,041	72,758	-2,283
5 to 14	152,338	151,956	-382
15 to 24	144,966	143,750	-1,216
25 to 34	150,715	151,895	1,180
35 to 44	135,659	143,093	7,434
45 to 54	137,280	129,234	-8,046
55 to 64	138,359	136,732	-1,627
65 to 74	97,109	111,871	14,762
75 to 84	48,604	56,427	7,823
85 and over	19,837	21,329	1,492
<b>Total</b>	<b>1,099,908</b>	<b>1,119,045</b>	<b>19,137</b>

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

Table 4 provides the projected population change by age group from 2021 to 2026. During this period, more than half of all age groups are projected to increase in population. All age groups above 65 are projected to grow while fewer young age groups are expected to decline. In particular, 75- to 84-year-olds will continue to add the most people to the area at 14,413 while 15- to 24-year-olds will grow during this period despite previous population loss and add 1,968 more people. 25- to 34-year-olds will grow the least, adding 795 more people in the next five years. Alternatively, 55- to 64-year-olds are projected to decline the most with 9,414 fewer people by 2026.



**Table 4: Projected Population by Age**

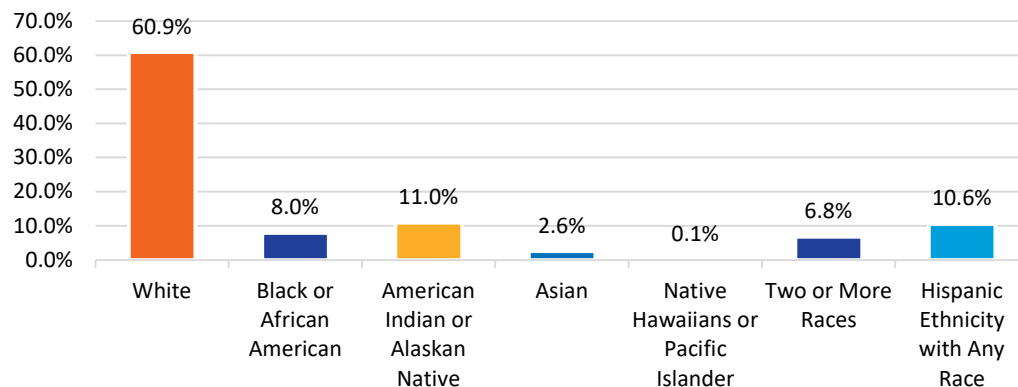
Demographic	2021 Population	2026 Population	Total Change
Under 5	72,758	72,456	-302
5 to 14	151,956	150,415	-1,541
15 to 24	143,750	145,719	1,968
25 to 34	151,895	152,690	795
35 to 44	143,093	150,197	7,104
45 to 54	129,234	131,379	2,145
55 to 64	136,732	127,318	-9,414
65 to 74	111,871	120,816	8,945
75 to 84	56,427	70,840	14,413
85 and over	21,329	23,863	2,534
<b>Total</b>	<b>285,409</b>	<b>289,474</b>	<b>4,065</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 Green Country WFDA population percentages by race and ethnicity. This figure shows that Whites made up the largest percentage of the population at 60.9%. Hispanic Ethnicity with Any Race were the second largest percentage of the population at 10.6%. Native Hawaiians or Pacific Islanders made up the smallest amount of the population at 0.1%.

**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, nearly all demographic groups grew in population. Hispanic Ethnicity with Any Race added the most population during this period at 14,940 additional people. Alternatively, Black or African Americans had the smallest increase in total population during this period at 334 additional people. The White population declined by 9,014 people.

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

Demographic	2016 Population	2021 Population	Total Change
<b>White</b>	690,742	681,728	-9,014
<b>Black or African American</b>	89,067	89,401	334
<b>American Indian or Alaskan Native</b>	121,720	122,724	1,004
<b>Asian</b>	24,374	28,820	4,446
<b>Native Hawaiian or Pacific Islander</b>	937	1,377	440
<b>Two or More Races</b>	69,418	76,405	6,987
<b>Hispanic Ethnicity with Any Race</b>	103,650	118,590	14,940
<b>Total</b>	<b>1,099,908</b>	<b>1,119,045</b>	<b>19,137</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 grow. The Hispanic population will continue to add the most people to the area with 16,737 additional people by 2026. Alternatively, Black or African Americans will continue to add the least in total population at 115 additional people. The White population will continue to decline at 8,600 fewer people by 2026.

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

Demographic	2021 Population	2026 Population	Total Change
<b>White</b>	681,728	673,128	-8,600
<b>Black or African American</b>	89,401	89,516	115
<b>American Indian or Alaskan Native</b>	122,724	123,944	1,220
<b>Asian</b>	28,820	34,256	5,436
<b>Native Hawaiian or Pacific Islander</b>	1,377	2,141	765
<b>Two or More Races</b>	76,405	87,380	10,974
<b>Hispanic Ethnicity with Any Race</b>	118,590	135,327	16,737
<b>Total</b>	<b>1,119,045</b>	<b>1,145,693</b>	<b>26,648</b>

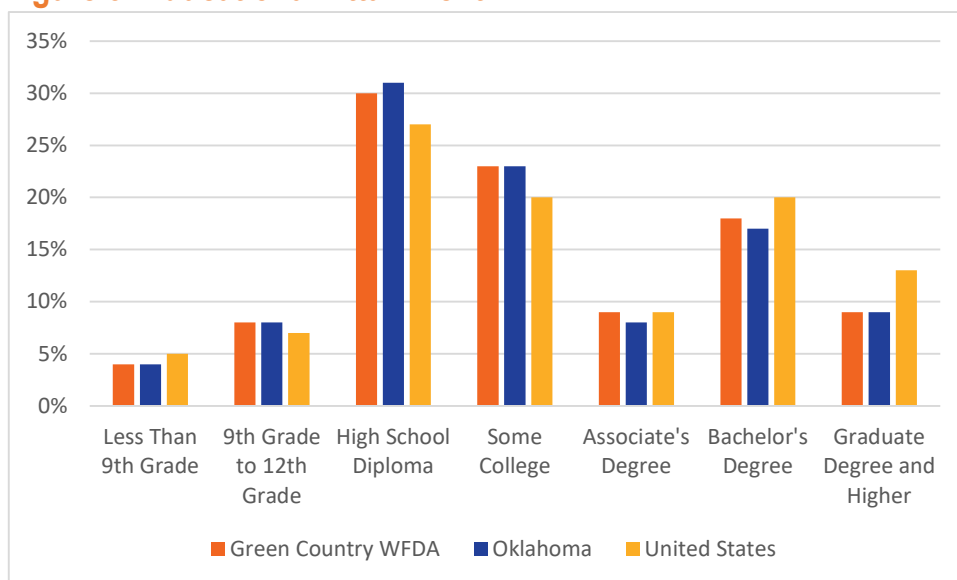
Source: Lightcast – economicmodeling.com – 2022.3

## 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 Green Country WFDA's educational attainment, provides an educational attainment mismatch analysis, and details the area's educational assets.

### Educational Attainment

Figure 4 compares the Green Country WFDA educational attainment levels with State of Oklahoma and United States in 2021. In Green Country, High School Diploma made up the largest share of the population at 30%. This was one percentage point lower than the State average of 31%. The second largest share of the population was Some College at 23%. 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 Green Country 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 a Bachelor's Degree grew the most during this period at 11,232 more people. Those with a Graduate Degree and Higher were next at an additional 7,522 people by 2021. Alternatively, a combined 4,404 fewer people had an education below High School Diploma level by 2021. Those with a High School Diploma decreased during this period at 203 fewer people at this education level than in 2016.

**Table 7: Educational Attainment**

Education Level	2016 Population	2021 Population	Total Change
Less Than 9th Grade	29,960	28,892	-1,068
9th Grade to 12th Grade	61,286	57,950	-3,336
High School Diploma	224,521	224,318	-203
Some College	169,434	171,381	1,947
Associate's Degree	59,294	66,217	6,923
Bachelor's Degree	125,199	136,431	11,232
Graduate Degree and Higher	57,869	65,391	7,522
<b>Total</b>	<b>727,563</b>	<b>750,581</b>	<b>23,018</b>

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

Table 8 provides the change in educational attainment levels in Green Country from 2021 to 2026. By 2026, more people will continue to achieve higher levels of education in the area. In particular, those with a Bachelor's Degree will grow the most out of all groups at 5,326 more people. Those with a Graduate Degree will be next at an additional 5,326 more people. Alternatively, a combined 325 more people will have an education below the High School Diploma level by 2026. Those with a High School Diploma will grow during this period by 4,539 people.

**Table 8: Projected Educational Attainment**

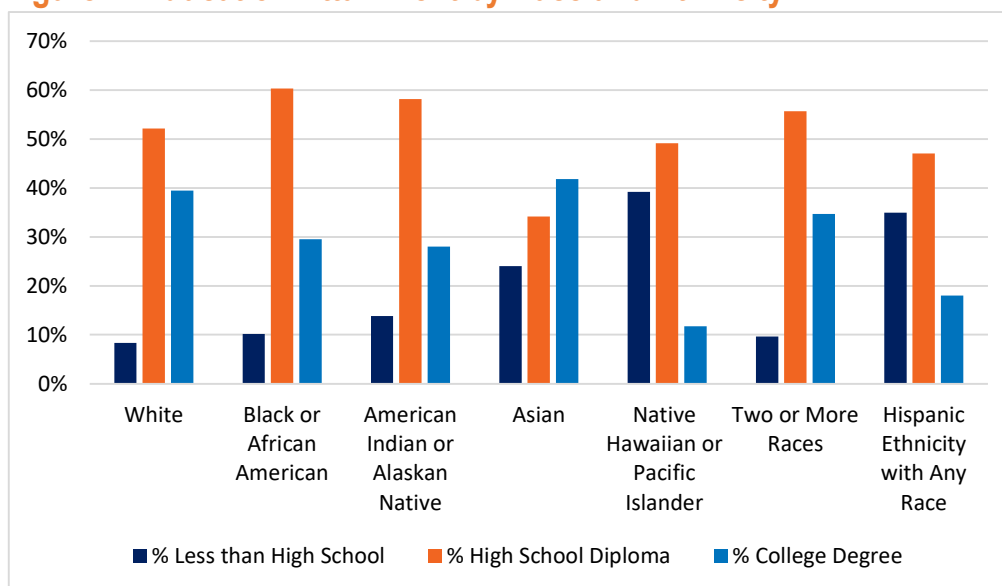
Education Level	2021 Population	2026 Population	Total Change
Less Than 9th Grade	28,892	29,189	297
9th Grade to 12th Grade	57,950	57,978	28
High School Diploma	224,318	228,857	4,539
Some College	171,381	174,813	3,432
Associate's Degree	66,217	70,955	4,738
Bachelor's Degree	136,431	144,592	8,161
Graduate Degree and Higher	65,391	70,718	5,326
<b>Total</b>	<b>750,581</b>	<b>777,103</b>	<b>26,522</b>

Source: Lightcast – economicmodeling.com – 2022.3

## Educational Attainment by Race and Ethnicity

Figure 4 shows the Green Country WFDA's educational attainment levels broken down by race and ethnicity. Across almost all racial and ethnic groups, High School Diploma represented the largest percentage of the respective populations. Native Hawaiian or Pacific Islanders have the largest population percentage at the Less than High School attainment level at 39%, followed closely by those with Hispanic Ethnicity at 35%. Black Oklahomans have the largest population percentage at the High School Diploma level at 60% followed by American Indian or Alaskan Natives at 58%. Asian Americans have the largest population percentage at the College Degree level at 42%, with Whites being next at 39%.

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

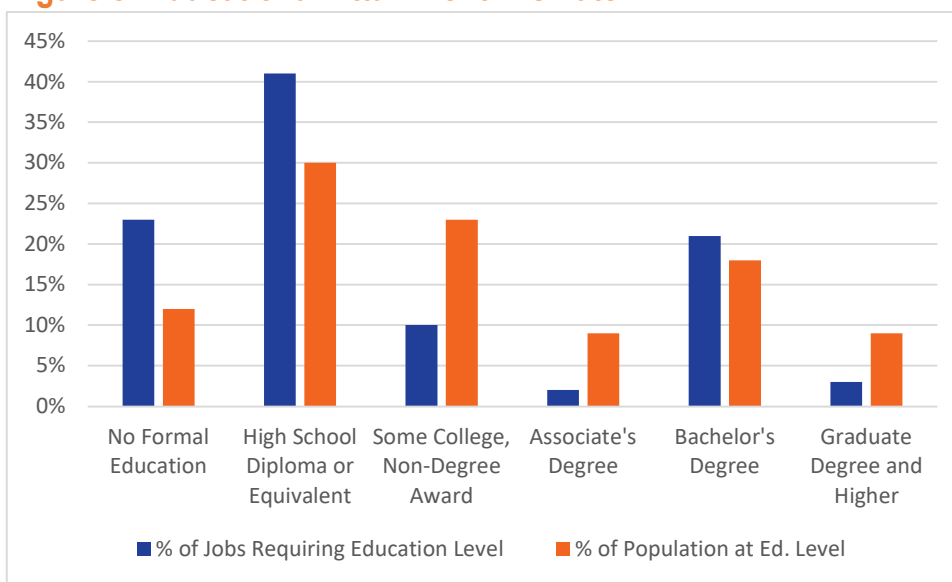


Source: Lightcast- [economicmodeling.com](http://economicmodeling.com)- 2022.3

## Education Mismatch

Figure 6 below shows an educational attainment mismatch analysis for the Green Country WFDA.<sup>1</sup> This compares the typical education required for jobs to the educational attainment of the population in 2021. 23% of jobs in Green Country require no formal education while just 12% 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, 41% of jobs in Green Country require this level of education while 30% of the population hold this level of education. 32% of the population had Some College or an Associate's Degree, while just 10% of jobs required these levels of education, suggesting underemployment. This is similar for those with a Graduate Degree or Higher, where 9% of the population is prepared for 3% of the jobs in the market. At the Bachelor's Degree level, 18% of the population have the degree while 21% of jobs require it.

<sup>1</sup> The educational attainment mismatch analysis, formerly known as skills gaps analysis, is attained by comparing the working age population's (25 years and older) 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

Green Country has over 30 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 in the appendix details accredited institutions and their degree types.

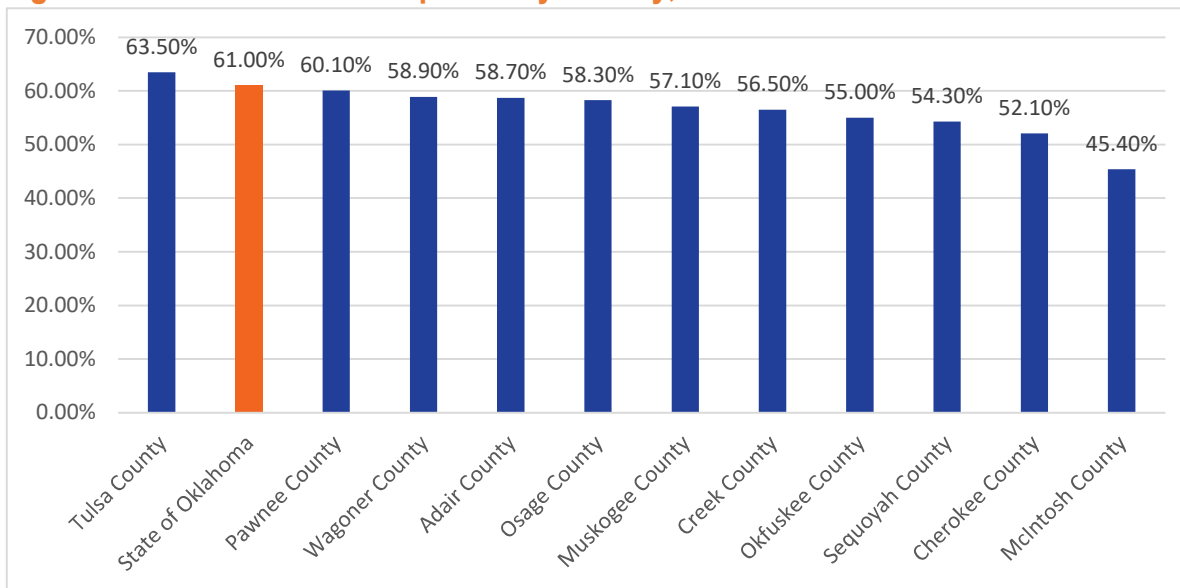
## Labor Force

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 Green Country's labor force participation rates broken down by county, median earnings, as well as commuter data detailing inflow, outflow, and circulation in the Green Country WFDA.

## Labor Force Participation by County

Figure 6 shows the Green Country WFDA labor force participation rate by county. The highest percentage is in Tulsa County at 63.5%. The second highest is in Pawnee County at 60.1%. The third is in Wagoner County at 58.9%. The lowest is in McIntosh County at 45.4%. Overall, one of eleven counties in the Green Country WFDA meet or exceed the Oklahoma State average labor force participation rate of 61.0%.

**Figure 6: Labor Force Participation by County, June 2022**



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

Table 10 below shows the labor force participation rate by county from June 2021 to June 2022. During this period, more than half of Green Country’s county labor force participation rates decreased. This follows the general decline of the state’s rate at -0.4% since June 2021. Osage County’s labor force participation rate grew the most during this period at an additional 0.4%. Muskogee County’s rate decreased by the most at -2.8%.



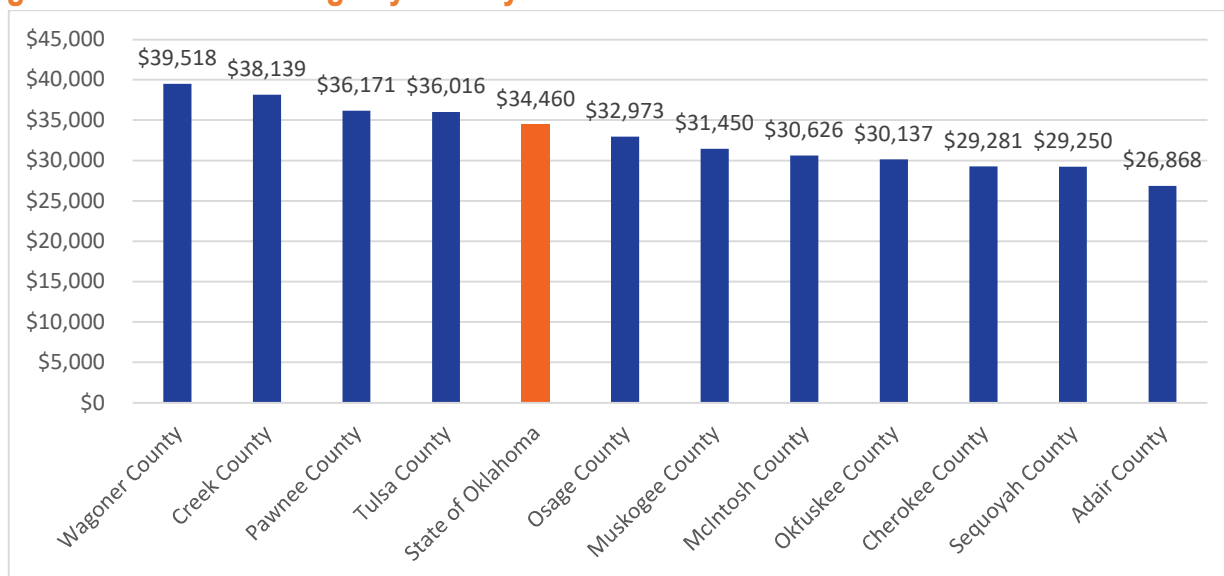
**Table 10: Labor Force Participation by County**

Area	June 2021	June 2022	Total Change
State of Oklahoma	61.4%	61.0%	-0.4%
Adair County	58.1%	58.7%	0.6%
Cherokee County	53.1%	52.1%	-1.0%
Creek County	56.2%	56.5%	0.3%
McIntosh County	46.0%	45.4%	-0.6%
Muskogee County	59.9%	57.1%	-2.8%
Okfuskee County	55.6%	55.0%	-0.6%
Osage County	57.4%	58.3%	0.9%
Pawnee County	60.1%	60.1%	0.1%
Sequoyah County	54.4%	54.3%	-0.1%
Tulsa County	63.7%	63.5%	-0.2%
Wagoner County	59.1%	58.9%	-0.2%

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 Green Country's counties and the State of Oklahoma as a whole. The highest median earnings were found in Wagoner County at \$39,518. The next highest were in Creek County at \$38,139. The third highest were in Pawnee County at \$36,171. The lowest median earnings were in Adair County at \$26,868. Overall, four out of eleven of Green Country's counties boasted median earnings beyond those found at the state level, while the rest fell below this level.

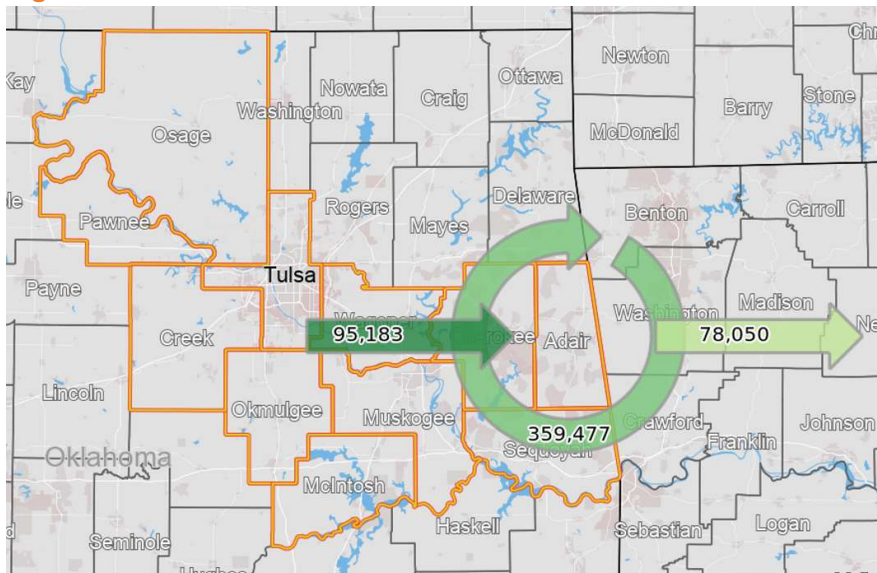
**Figure 7: Median Earnings by County**

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 Green Country WFDA, 95,183 work in the area and did not live there. 359,477 lived there and worked there. 78,050 lived in Green Country WFDA and worked outside the area (see Figure 8.)

**Figure 8: 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 Green Country WFDA by the total number of jobs in 2021. There was an estimated 456,695 number of total jobs in the area in 2021. The

largest sector was Government with 67,000 jobs. The second largest sector was Health Care and Social Assistance with 65,016 jobs. The tenth largest sector was Finance and Insurance with 16,575 jobs. Together, these industries made up 85.4% of the total jobs in the area in 2021.

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

NAICS	Description	2021 Jobs	Percentage of Total Employment
90	Government	67,000	14.7%
62	Health Care and Social Assistance	65,016	14.2%
44	Retail Trade	54,250	11.9%
31	Manufacturing	47,997	10.5%
72	Accommodation and Food Services	40,999	9.0%
56	Administrative and Support and Waste Management and Remediation Services	31,579	6.9%
23	Construction	24,158	5.3%
54	Professional, Scientific, and Technical Services	22,586	4.9%
48	Transportation and Warehousing	20,094	4.4%
52	Finance and Insurance	16,575	3.6%

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 9 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 9: Target and Complementary Sectors

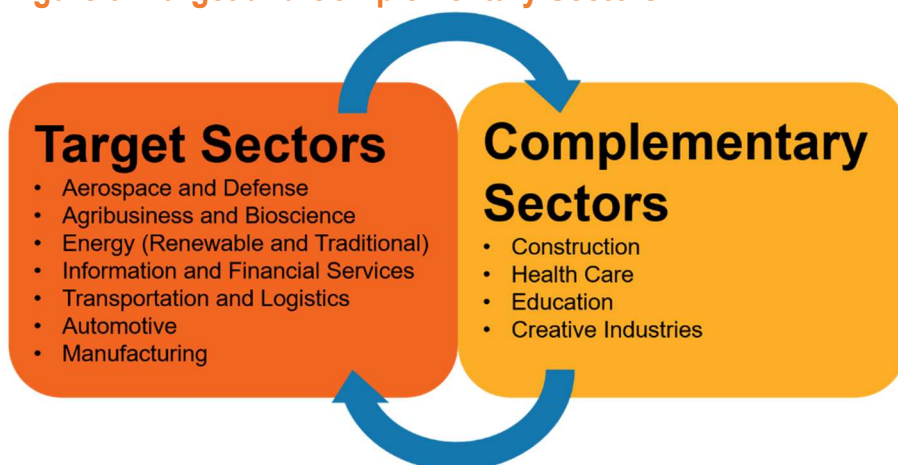


Table 12 shows the estimated number of new jobs for each of the target sectors in 2026, along with the growth rate and average earnings per job in the target sector. Three target sectors are projected to grow while three are not projected to grow.

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	27,125	27,008	-117	0%	\$92,359
Agriculture and Bioscience	17,592	18,436	844	5%	\$71,710
Energy (Renewable and Traditional)	22,094	19,049	-3,045	-14%	\$116,499
Information and Financial Services	33,670	34,069	399	1%	\$108,720
Manufacturing	47,997	46,986	-1,011	-2%	\$84,437
Transportation and Distribution (Includes Automotive)	35,719	36,777	1,058	3%	\$76,259

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 Green Country WFDA's population, educational attainment and assets, labor force information, top industry data, and target and complementary sectors. The Green Country WFDA is one of six Workforce Development Areas (WFDA) 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

### Educational Assets

**Table 9: Educational Assets**

Institution	Institution Type	City	County	Degree Types
Carl Albert State College	Public	Sallisaw	Sequoyah	Associate, Certificate
College of the Muscogee Nation	Public	Muskogee	Muskogee	Associate, Certificate
Connors State College	Public	Muskogee	Muskogee	Associate, Certificate
Connors State College	Public	Warner	Muskogee	Associate, Certificate
Langston University	Public	Tulsa	Tulsa	Associate, Bachelor, Master, Ph.D.
Northeastern State University	Public	Tahlequah	Cherokee	Certificate, Bachelor, Master
Northeastern State University	Public	Broken Arrow	Tulsa	Certificate, Bachelor, Master
Northeastern State University	Public	Muskogee	Muskogee	Certificate, Bachelor, Master
Oklahoma State University	Public	Tulsa	Tulsa	Bachelor, Master, Ph.D.
Oklahoma State University Center for Health Sciences	Public	Tulsa	Tulsa	M.D, Master, Ph.D., Graduate Certificate
Oklahoma State University Institute of Technology	Public	Okmulgee	Okmulgee	Associate, Bachelor
Tulsa Community College	Public	Tulsa	Tulsa	Associate, Certificate
University of Oklahoma	Public	Tulsa	Tulsa	Bachelor, Master, Ph.D., Graduate Certificate
Community Care College	Private Non-Profit	Tulsa	Tulsa	Associate, Certificate
Oklahoma Technical College	Non-traditional nonprofit	Tulsa	Tulsa	Certificate
Oral Roberts University	Private Non-Profit	Tulsa	Tulsa	Bachelor, Master, Ph.D., Graduate Certificate
Phillips Theological Seminary	Private Non-Profit	Tulsa	Tulsa	Master, Ph.D.

Institution	Institution Type	City	County	Degree Types
Spartan College of Aeronautics and Technology	Private For-Profit	Tulsa	Tulsa	Associate, Bachelor
The University of Tulsa	Private Non-Profit	Tulsa	Tulsa	Bachelor, Master, Ph.D., Graduate Certificate
Tulsa Welding School	Private For-Profit	Tulsa	Tulsa	Associate, Certificate
University of Phoenix	Private For Profit	Tulsa	Tulsa	Bachelor, Master
Central Tech	Technical School	Drumright	Creek /Payne	Certificate
Central Tech	Technical School	Sapulpa	Creek	Certificate
Green Country	Technical School	Okmulgee	Okmulgee	Certificate
Indian Capital	Technical School	Muskogee	Muskogee	Certificate
Indian Capital	Technical School	Sallisaw	Sequoyah	Certificate
Indian Capital	Technical School	Stilwell	Adair	Certificate
Indian Capital	Technical School	Tahlequah	Cherokee	Certificate
Tulsa Tech	Technical School	Broken Arrow	Tulsa/Wagoner	Certificate
Tulsa Tech	Technical School	Owasso	Tulsa/Rogers	Certificate
Tulsa Tech	Technical School	Sand Springs	Osage/Tulsa	Certificate
Tulsa Tech	Technical School	Memorial Tulsa	Tulsa	Certificate
Tulsa Tech	Technical School	Riverside Tulsa	Tulsa	Certificate
Tulsa Tech	Technical School	Peoria Tulsa	Tulsa	Certificate

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

## 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
21311	Support Activities for Mining
22111	Electric Power Generation
22112	Electric Power Transmission, Control, and Distribution



**NAICS Industry Description**

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
	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment
33341	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
	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and
42472	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
11521	Support Activities for Animal Production
11531	Support Activities for Forestry
31111	Animal Food Manufacturing

**NAICS Industry Description**

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
33311	Agricultural Implement Manufacturing
33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
33461	Manufacturing and Reproducing Magnetic and Optical Media

**NAICS Industry Description**

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
52213	Credit Unions
52219	Other Depository Credit Intermediation
52221	Credit Card Issuing

**NAICS Industry Description**

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
33635	Motor Vehicle Transmission and Power Train Parts Manufacturing
33636	Motor Vehicle Seating and Interior Trim Manufacturing
33637	Motor Vehicle Metal Stamping

**NAICS Industry Description**

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
42393	Recyclable Material Merchant Wholesalers
42394	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers
42399	Other Miscellaneous Durable Goods Merchant Wholesalers

**NAICS Industry Description**

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
48412	General Freight Trucking, Long-Distance
48422	Specialized Freight (except Used Goods) Trucking, Local
48423	Specialized Freight (except Used Goods) Trucking, Long-Distance

**NAICS Industry Description**

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
-------	---

**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
31192	Coffee and Tea Manufacturing
31193	Flavoring Syrup and Concentrate Manufacturing
31194	Seasoning and Dressing Manufacturing

**NAICS Industry Description**

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
32312	Support Activities for Printing
32411	Petroleum Refineries
32412	Asphalt Paving, Roofing, and Saturated Materials Manufacturing



**NAICS Industry Description**

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
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

**NAICS Industry Description**

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
33512	Lighting Fixture Manufacturing
33521	Small Electrical Appliance Manufacturing
33522	Major Household Appliance Manufacturing

**NAICS Industry Description**

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
23713	Power and Communication Line and Related Structures Construction
23721	Land Subdivision
23731	Highway, Street, and Bridge Construction

**NAICS Industry Description**

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
62311	Nursing Care Facilities (Skilled Nursing Facilities)
62321	Residential Intellectual and Developmental Disability Facilities
62322	Residential Mental Health and Substance Abuse Facilities

**NAICS Industry Description**

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
54134	Drafting Services
54141	Interior Design Services
54142	Industrial Design Services

**NAICS Industry Description**

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
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	1,028	1,012	-16	-2%	3.8%	\$22.50	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	912	883	-29	-3%	3.4%	\$22.78	High school diploma or equivalent	None	Long-term on-the-job training
15-1252	Software Developers	852	1,034	183	21%	3.1%	\$47.96	Bachelor's degree	None	None
51-9161	Computer Numerically Controlled Tool Operators	827	766	-62	-7%	3.1%	\$18.85	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3011	Aircraft Mechanics and Service Technicians	787	768	-19	-2%	2.9%	\$28.82	Postsecondary nondegree award	None	None
51-4121	Welders, Cutters, Solderers, and Brazers	755	687	-68	-9%	2.8%	\$22.74	High school diploma or equivalent	None	Moderate-term on-the-job training
11-1021	General and Operations Managers	750	773	24	3%	2.8%	\$38.64	Bachelor's degree	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
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	701	657	-43	-6%	2.6%	\$22.41	High school diploma or equivalent	None	Moderate-term on-the-job training
51-1011	First-Line Supervisors of Production and Operating Workers	640	616	-24	-4%	2.4%	\$29.94	High school diploma or equivalent	Less than 5 years	None
51-2098	Miscellaneous Assemblers and Fabricators	552	504	-48	-9%	2.0%	\$17.60	High school diploma or equivalent	None	Moderate-term on-the-job training

Source: Lightcast- [economicmodeling.com](https://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
15-1252	Software Developers	852	1,034	183	21%	3.1%	\$47.96	Bachelor's degree	None	None
15-1232	Computer User Support Specialists	365	410	45	12%	1.3%	\$22.72	Some college, no degree	None	None
13-1111	Management Analysts	297	338	41	14%	1.1%	\$40.83	Bachelor's degree	Less than 5 years	None
17-2112	Industrial Engineers	383	423	40	10%	1.4%	\$39.68	Bachelor's degree	None	None
13-1161	Market Research Analysts and Marketing Specialists	283	321	38	13%	1.0%	\$24.98	Bachelor's degree	None	None
15-1211	Computer Systems Analysts	338	373	36	11%	1.2%	\$38.85	Bachelor's degree	None	None
13-1081	Logisticians	170	205	35	21%	0.6%	\$36.74	Bachelor's degree	None	None
17-2011	Aerospace Engineers	380	411	31	8%	1.4%	\$47.10	Bachelor's degree	None	None
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial	323	353	30	9%	1.2%	\$23.03	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
	Services, and Travel									
11-3021	Computer and Information Systems Managers	246	275	30	12%	0.9%	\$61.71	Bachelor's degree	5 years or more	None

Source: Lightcast- [economicmodeling.com](http://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
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	624	710	85	14%	3.5%	\$12.73	No formal educational credential	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	500	529	28	6%	2.8%	\$14.15	No formal educational credential	None	Short-term on-the-job training
51-3011	Bakers	493	518	25	5%	2.8%	\$13.75	No formal educational credential	None	Long-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	491	496	6	1%	2.8%	\$26.25	High school diploma or equivalent	None	Moderate-term on-the-job training
11-9013	Farmers, Ranchers, and Other Agricultural Managers	419	467	49	12%	2.4%	\$17.65	High school diploma or equivalent	5 years or more	None
51-1011	First-Line Supervisors of Production and Operating Workers	411	425	14	3%	2.3%	\$29.94	High school diploma or equivalent	Less than 5 years	None
41-4012	Sales Representatives, Wholesale and Manufacturing,	408	433	25	6%	2.3%	\$23.59	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									
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	395	413	17	4%	2.2%	\$13.80	High school diploma or equivalent	None	Short-term on-the-job training
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	361	357	-4	-1%	2.1%	\$29.48	Bachelor's degree	None	Moderate-term on-the-job training
53-3031	Driver/Sales Workers	360	379	19	5%	2.0%	\$9.00	High school diploma or equivalent	None	Short-term on-the-job training

Source: *Lightcast- 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	624	710	85	14%	3.5%	\$12.73	No formal educational credential	None	Short-term on-the-job training
29-2018	Clinical Laboratory Technologists and Technicians	330	393	64	19%	1.9%	\$22.51	Bachelor's degree	None	None
31-9097	Phlebotomists	259	318	59	23%	1.5%	\$14.49	Postsecondary nondegree award	None	None
11-9013	Farmers, Ranchers, and Other Agricultural Managers	419	467	49	12%	2.4%	\$17.65	High school diploma or equivalent	5 years or more	None
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	178	213	35	20%	1.0%	\$14.12	No formal educational credential	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	500	529	28	6%	2.8%	\$14.15	No formal educational credential	None	Short-term on-the-job training
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	317	345	27	9%	1.8%	\$11.64	No formal educational credential	None	Short-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
51-3011	Bakers	493	518	25	5%	2.8%	\$13.75	No formal educational credential	None	Long-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	408	433	25	6%	2.3%	\$23.59	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	158	180	21	14%	0.9%	\$28.79	High school diploma or equivalent	None	Long-term on-the-job training

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
51-4121	Welders, Cutters, Solderers, and Brazers	1,509	1,273	-236	-16%	6.8%	\$22.74	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2098	Miscellaneous Assemblers and Fabricators	955	778	-177	-19%	4.3%	\$17.60	High school diploma or equivalent	None	Moderate-term on-the-job training
51-1011	First-Line Supervisors of Production and Operating Workers	781	677	-104	-13%	3.5%	\$29.94	High school diploma or equivalent	Less than 5 years	None
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	589	575	-13	-2%	2.7%	\$43.72	High school diploma or equivalent	None	Moderate-term on-the-job training
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	535	458	-77	-14%	2.4%	\$30.32	High school diploma or equivalent	5 years or more	None
47-5071	Roustabouts, Oil and Gas	512	401	-111	-22%	2.3%	\$19.90	No formal educational credential	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	491	441	-50	-10%	2.2%	\$38.64	Bachelor's degree	5 years or more	None
49-9051	Electrical Power-Line Installers and Repairers	435	429	-6	-1%	2.0%	\$31.54	High school diploma or equivalent	None	Long-term on-the-job training
51-4041	Machinists	421	379	-42	-10%	1.9%	\$22.78	High school diploma or equivalent	None	Long-term on-the-job training
17-2171	Petroleum Engineers	386	299	-87	-23%	1.7%	\$83.10	Bachelor's degree	None	None

Source: Lightcast- [economicmodeling.com](https://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
49-9081	Wind Turbine Service Technicians	121	174	53	44%	0.5%	\$25.52	Postsecondary nondegree award	None	Long-term on-the-job training
47-5011	Derrick Operators, Oil and Gas	14	33	19	131%	0.1%	\$19.83	No formal educational credential	None	Short-term on-the-job training
47-5044	Loading and Moving Machine Operators, Underground Mining	68	75	7	11%	0.3%	\$27.98	No formal educational credential	None	Short-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	39	44	5	14%	0.2%	\$28.43	High school diploma or equivalent	None	Long-term on-the-job training
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	17	18	2	9%	0.1%	\$20.66	High school diploma or equivalent	Less than 5 years	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
33-9032	Security Guards	12	13	1	9%	0.1%	\$14.33	High school diploma or equivalent	None	Short-term on-the-job training
17-1011	Architects, Except Landscape and Naval	26	26	1	3%	0.1%	\$35.99	Bachelor's degree	None	Internship/residency
51-8091	Chemical Plant and System Operators	11	12	1	7%	0.1%	\$47.07	High school diploma or equivalent	None	Moderate-term on-the-job training
13-1199	Business Operations Specialists, All Other	44	44	0	1%	0.2%	\$35.24	Bachelor's degree	None	None
53-7064	Packers and Packagers, Hand	12	12	0	1%	0.1%	\$13.47	No formal educational credential	None	Short-term on-the-job training

Source: Lightcast- [economicmodeling.com](https://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
13-2011	Accountants and Auditors	2,232	2,258	26	1%	6.6%	\$38.02	Bachelor's degree	None	None
43-4051	Customer Service Representatives	1,902	1,832	-70	-4%	5.6%	\$14.80	High school diploma or equivalent	None	Short-term on-the-job training
43-3071	Tellers	1,739	1,513	-226	-13%	5.2%	\$14.90	High school diploma or equivalent	None	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,373	1,343	-30	-2%	4.1%	\$18.37	Some college, no degree	None	Moderate-term on-the-job training
13-2072	Loan Officers	1,119	1,061	-57	-5%	3.3%	\$29.50	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training
43-1011	First-Line Supervisors of Office and Administrative Support Workers	1,073	1,025	-48	-5%	3.2%	\$24.55	High school diploma or equivalent	Less than 5 years	None
15-1252	Software Developers	1,058	1,263	205	19%	3.1%	\$47.96	Bachelor's degree	None	None
43-4131	Loan Interviewers and Clerks	1,015	935	-80	-8%	3.0%	\$18.45	High school diploma or equivalent	None	Short-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	928	986	58	6%	2.8%	\$38.64	Bachelor's degree	5 years or more	None
41-3031	Securities, Commodities, and Financial Services Sales Agents	925	920	-6	-1%	2.7%	\$29.60	Bachelor's degree	None	Moderate-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
15-1252	Software Developers	1,058	1,263	205	19%	3.1%	\$47.96	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
11-3031	Financial Managers	881	954	73	8%	2.6%	\$61.32	Bachelor's degree	5 years or more	None
13-1161	Market Research Analysts and Marketing Specialists	491	551	60	12%	1.5%	\$24.98	Bachelor's degree	None	None
11-1021	General and Operations Managers	928	986	58	6%	2.8%	\$38.64	Bachelor's degree	5 years or more	None
15-1211	Computer Systems Analysts	511	556	45	9%	1.5%	\$38.85	Bachelor's degree	None	None
11-3021	Computer and Information Systems Managers	453	497	44	10%	1.3%	\$61.71	Bachelor's degree	5 years or more	None
13-1071	Human Resources Specialists	326	368	42	13%	1.0%	\$24.18	Bachelor's degree	None	None
15-1232	Computer User Support Specialists	628	671	42	7%	1.9%	\$22.72	Some college, no degree	None	None
15-1212	Information Security Analysts	196	232	35	18%	0.6%	\$38.67	Bachelor's degree	Less than 5 years	None
13-1111	Management Analysts	392	426	33	8%	1.2%	\$40.83	Bachelor's degree	Less than 5 years	None

Source: Lightcast- [economicmodeling.com](https://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	3,577	3,265	-312	-9%	7.5%	\$17.60	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	2,975	2,677	-297	-10%	6.2%	\$22.74	High school diploma or equivalent	None	Moderate-term on-the-job training
51-1011	First-Line Supervisors of Production and Operating Workers	2,423	2,357	-66	-3%	5.0%	\$29.94	High school diploma or equivalent	Less than 5 years	None
51-4041	Machinists	1,595	1,530	-64	-4%	3.3%	\$22.78	High school diploma or equivalent	None	Long-term on-the-job training
51-9161	Computer Numerically Controlled Tool Operators	1,491	1,359	-132	-9%	3.1%	\$18.85	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1,402	1,302	-100	-7%	2.9%	\$22.41	High school diploma or equivalent	None	Moderate-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,077	1,090	13	1%	2.2%	\$14.15	No formal educational credential	None	Short-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
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	1,007	991	-16	-2%	2.1%	\$22.50	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Inventory Clerks	952	890	-62	-7%	2.0%	\$16.93	High school diploma or equivalent	None	Short-term on-the-job training
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	862	874	12	1%	1.8%	\$17.73	High school diploma or equivalent	None	Moderate-term on-the-job training

Source: Lightcast- [economicmodeling.com](https://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
17-2112	Industrial Engineers	692	751	60	9%	1.4%	\$39.68	Bachelor's degree	None	None
49-9041	Industrial Machinery Mechanics	627	684	58	9%	1.3%	\$28.79	High school diploma or equivalent	None	Long-term on-the-job training
13-1081	Logisticians	233	274	42	18%	0.5%	\$36.74	Bachelor's degree	None	None
15-1252	Software Developers	345	384	39	11%	0.7%	\$47.96	Bachelor's degree	None	None
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	174	209	35	20%	0.4%	\$14.12	No formal educational credential	None	Short-term on-the-job training
17-2011	Aerospace Engineers	337	367	30	9%	0.7%	\$47.10	Bachelor's degree	None	None
49-3011	Aircraft Mechanics and Service Technicians	240	266	26	11%	0.5%	\$28.82	Postsecondary nondegree award	None	None
51-7011	Cabinetmakers and Bench Carpenters	464	489	25	5%	1.0%	\$17.35	High school diploma or equivalent	None	Moderate-term on-the-job training
51-3011	Bakers	484	509	25	5%	1.0%	\$13.75	No formal educational credential	None	Long-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
51-9111	Packaging and Filling Machine Operators and Tenders	387	408	21	5%	0.8%	\$14.55	High school diploma or equivalent	None	Moderate-term on-the-job training

Source: Lightcast- [economicmodeling.com](https://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	3,919	3,990	71	2%	11.0%	\$23.15	Postsecondary nondegree award	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,999	3,259	260	9%	8.4%	\$14.15	No formal educational credential	None	Short-term on-the-job training
53-7065	Stockers and Order Fillers	2,832	3,226	394	14%	7.9%	\$14.45	High school diploma or equivalent	None	Short-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,983	2,057	74	4%	5.6%	\$23.59	High school diploma or equivalent	None	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	1,412	1,719	306	22%	4.0%	\$17.97	No formal educational credential	None	Short-term on-the-job training
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1,188	1,167	-21	-2%	3.3%	\$29.48	Bachelor's degree	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	1,022	1,040	17	2%	2.9%	\$38.64	Bachelor's degree	5 years or more	None
43-5071	Shipping, Receiving, and Inventory Clerks	923	946	23	2%	2.6%	\$16.93	High school diploma or equivalent	None	Short-term on-the-job training
51-2098	Miscellaneous Assemblers and Fabricators	919	864	-55	-6%	2.6%	\$17.60	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4051	Customer Service Representatives	880	854	-26	-3%	2.5%	\$14.80	High school diploma or equivalent	None	Short-term on-the-job training

Source: Lightcast- [economicmodeling.com](https://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
53-7065	Stockers and Order Fillers	2,832	3,226	394	14%	7.9%	\$14.45	High school diploma or equivalent	None	Short-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	1,412	1,719	306	22%	4.0%	\$17.97	No formal educational credential	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,999	3,259	260	9%	8.4%	\$14.15	No formal educational credential	None	Short-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,983	2,057	74	4%	5.6%	\$23.59	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	3,919	3,990	71	2%	11.0%	\$23.15	Postsecondary nondegree award	None	Short-term on-the-job training
53-7064	Packers and Packers, Hand	170	232	62	36%	0.5%	\$13.47	No formal educational credential	None	Short-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	729	785	56	8%	2.0%	\$24.09	High school diploma or equivalent	Less than 5 years	None
49-9071	Maintenance and Repair Workers, General	321	353	32	10%	0.9%	\$17.14	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Inventory Clerks	923	946	23	2%	2.6%	\$16.93	High school diploma or equivalent	None	Short-term on-the-job training
53-3031	Driver/Sales Workers	456	479	23	5%	1.3%	\$9.00	High school diploma or equivalent	None	Short-term on-the-job training

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