



Industry Spotlight

Autonomous Vehicles

Polk County, Florida



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Spotlight Summary 3

Industry Snapshot 4

Staffing Pattern 5

Employment Distribution by Type 6

Establishments 7

GDP & Productivity..... 8

Supply Chain: Top Suppliers 9

Sector Strategy Pathways..... 10

Postsecondary Programs Linked to Autonomous Vehicles 11

Polk County, Florida Regional Map 12

Data Notes..... 13

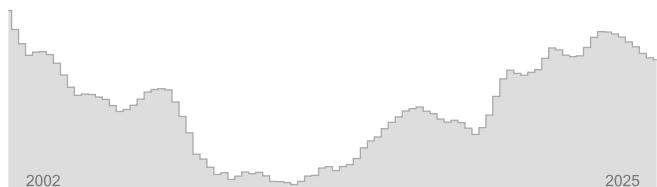
Industry Definition 14

FAQ 15

Spotlight Summary

Autonomous Vehicles
Polk County, Florida – 2025Q2

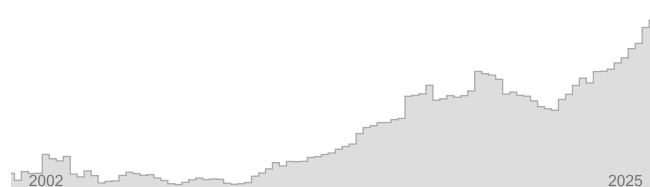
EMPLOYMENT



1,906

Regional employment / 7,355,721 in the nation

WAGES



\$80,108

Avg Wages per Worker / \$146,957 in the nation

1.8% ↑

Avg Ann % Change Last 10 Years / +1.4% in the U.S.



0.7%

% of Total Employment / 4.4% in the U.S.

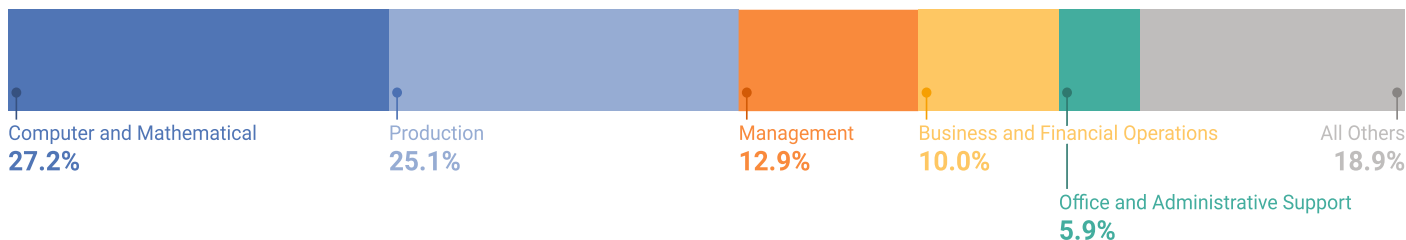


3.7% ↑

Avg Ann % Change Last 10 Years / +4.1% in the U.S.



TOP OCCUPATION GROUPS



TOP INDUSTRIES

Avg Ann % Change in Employment, Last 10 Years

3.6% ↑



Computer Systems Design and Related Services

1.0% ↑



Motor Vehicle Parts Manufacturing

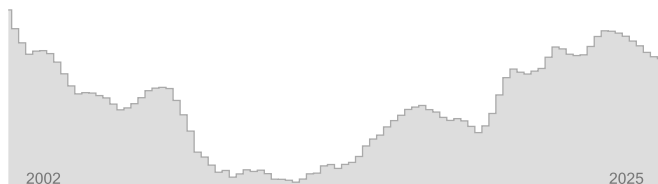
71.0% ↑



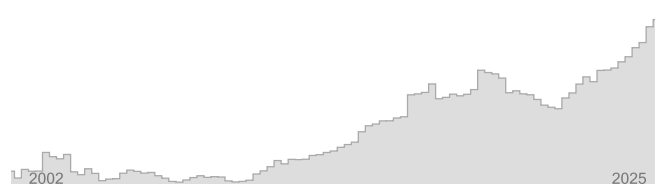
Motor Vehicle Manufacturing

Industry Snapshot

EMPLOYMENT



WAGES

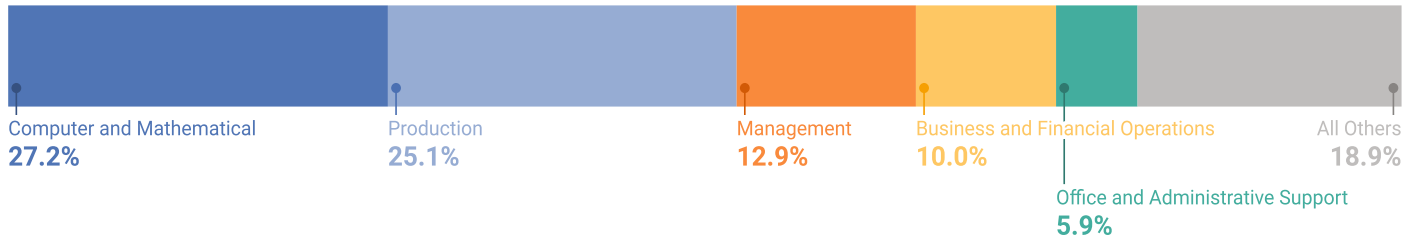


4-Digit Industry	Empl	Avg Ann Wages	LQ	5yr History	Annual Demand	Forecast Ann Growth
Computer Systems Design and Related Services	780	\$95,767	0.18		75	2.9%
Motor Vehicle Parts Manufacturing	366	\$39,692	0.39		37	0.0%
Motor Vehicle Manufacturing	158	\$38,199	0.32		20	2.3%
Scientific Research and Development Services	150	\$75,660	0.09		15	2.4%
Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	122	\$102,856	0.17		13	2.1%
Motor Vehicle Body and Trailer Manufacturing	45	\$56,390	0.16		6	2.3%
Semiconductor and Other Electronic Component Manufacturing	27	\$84,985	0.04		3	2.7%
Communications Equipment Manufacturing	20	\$56,214	0.14		2	1.3%
Aerospace Product and Parts Manufacturing	19	\$56,001	0.02		2	2.9%
Ship and Boat Building	14	\$55,024	0.04		2	2.3%
Remaining Component Industries	19	\$37,273	0.07		2	1.8%
Autonomous Vehicles	1,906	\$80,108	0.15		197	2.1%

💡 Employment is one of the broadest and most timely measures of a region's economy. Fluctuations in the number of jobs shed light on the health of an industry. A growing employment base creates more opportunities for regional residents and helps a region grow its population.

💡 Since wages and salaries generally compose the majority of a household's income, the annual average wages of a region affect its average household income, housing market, quality of life, and other socioeconomic indicators.

Staffing Pattern



6-digit Occupation	Empl	Avg Ann Wages	Annual Demand
Team Assemblers	182	\$48,700	25
Software Developers	155	\$123,200	14
Computer User Support Specialists	68	\$63,800	6
Managers, All Other	58	\$138,800	6
Computer Systems Analysts	56	\$102,400	5
Computer Occupations, All Other	44	\$95,800	4
Computer and Information Systems Managers	41	\$165,100	4
General and Operations Managers	38	\$169,100	4
Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	37	\$93,900	5
Welders, Cutters, Solderers, and Brazers	33	\$47,500	4
Remaining Component Occupations	969	\$83,800	106
Total	1,681		

 The mix of occupations points to the ability of a region to support an industry and its flexibility to adapt to future demand. Industry wages are a component of the cost of labor for regional employers.

Employment Distribution by Type

The table below shows the employment mix by ownership type for Autonomous Vehicles for Polk County, Florida. Four of these ownership types — federal, state, and local government and the private sector — together constitute “Covered Employment” (employment covered by the Unemployment Insurance programs of the United States and reported via the Quarterly Census of Employment and Wages).

“Self-Employment” refers to unincorporated self-employment and represents workers whose primary job is self-employment (that is, these data do not include workers whose primary job is a wage-and-salary position that is supplemented with self-employment).



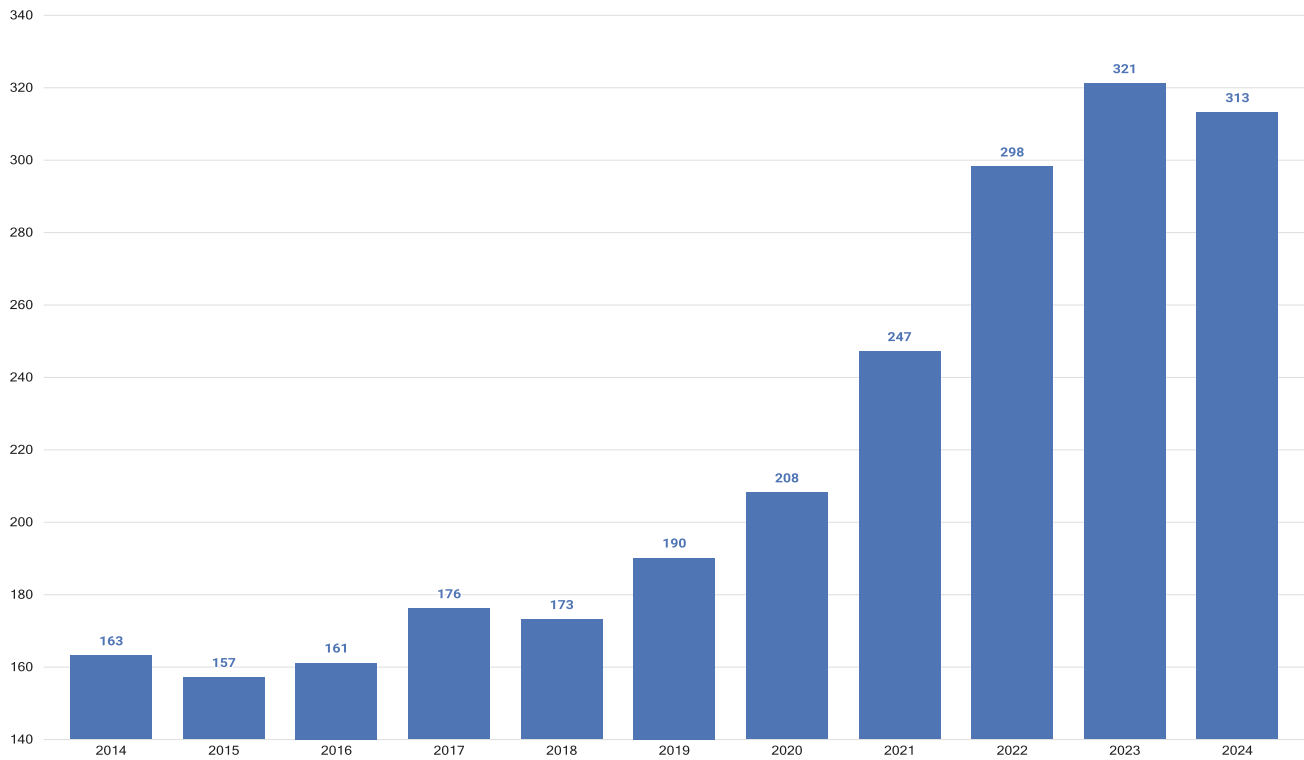
	Empl	%
Private	1,642	86.2%
Self-Employment	262	13.7%
Local Government	2	0.1%
Other Non-Covered	0	0.0%

Source: JobsEQ®


 Strong entrepreneurial activity is indicative of growing industries. Using self-employment as a proxy for entrepreneurs, a higher share of self-employed individuals within a regional industry points to future growth.

Establishments

In 2024, there were 313 Autonomous Vehicles establishments in Polk County, Florida (per covered employment establishment counts), an increase from 163 establishments ten years earlier in 2014.



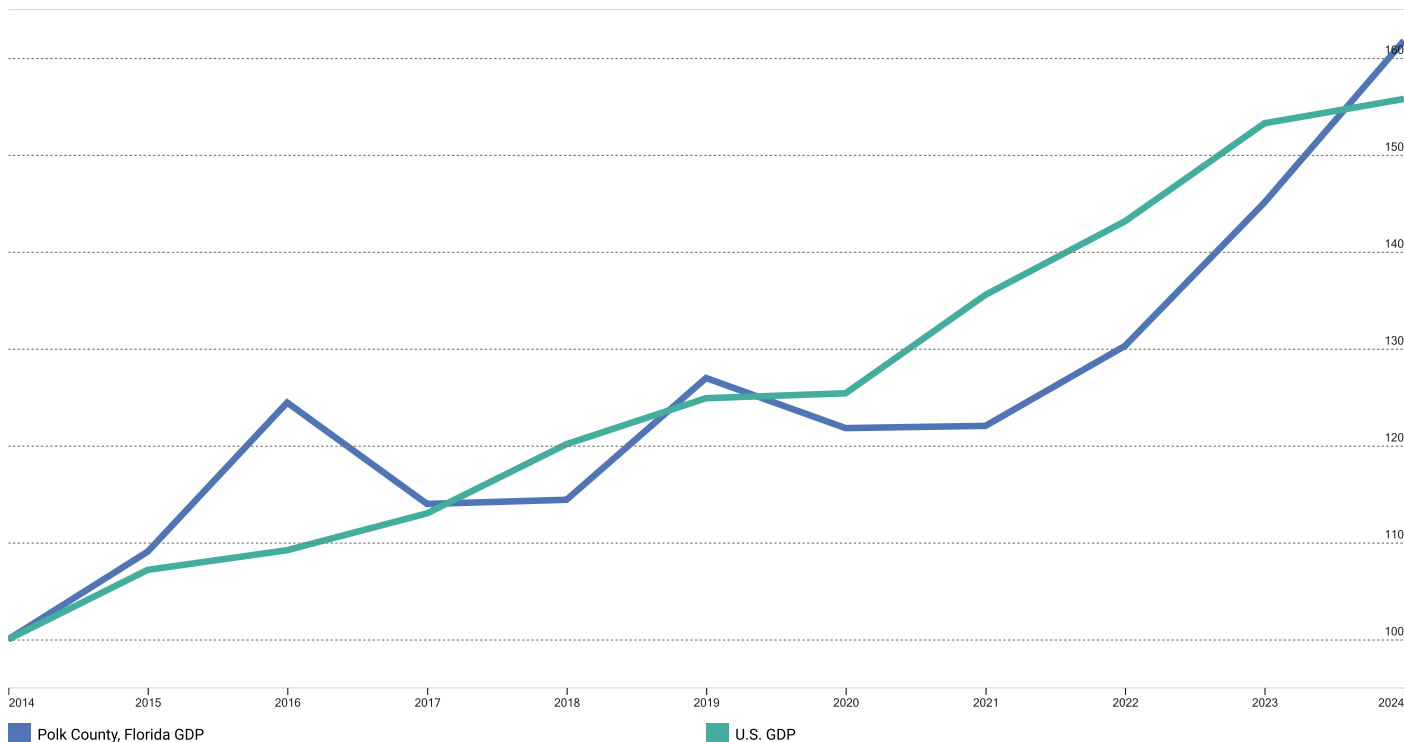
Source: JobsEQ®

 New business formations are an important source of job creation in a regional economy, spurring innovation and competition, and driving productivity growth. Establishment data can provide an indicator of growth in businesses by counting each single location (such as a factory or a store) where business activity takes place, and with at least one employee.

GDP & Productivity

In 2024, Autonomous Vehicles produced \$0.2 billion in GDP for Polk County, Florida.

GDP: Indexed 2014 = 100



0.6 %

Industry Share of Total GDP /
6.0 % in the nation



4.9 % ↑

Avg Ann % Change Last 10 Yrs /
4.5 % in the nation



\$388k

Output per Worker /
\$532k in the nation



💡 Gross domestic product (GDP) is the most comprehensive measure of regional economic activity, and an industry's contribution to GDP is an important indicator of regional industry strength. It is a measure of total value-added to a regional economy in the form of labor income, proprietor's income, and business profits, among others. GDP values shown on this page are nominal GDP data.

💡 Growth in productivity (output per worker) leads to increases in wealth and higher average standards of living in a region.

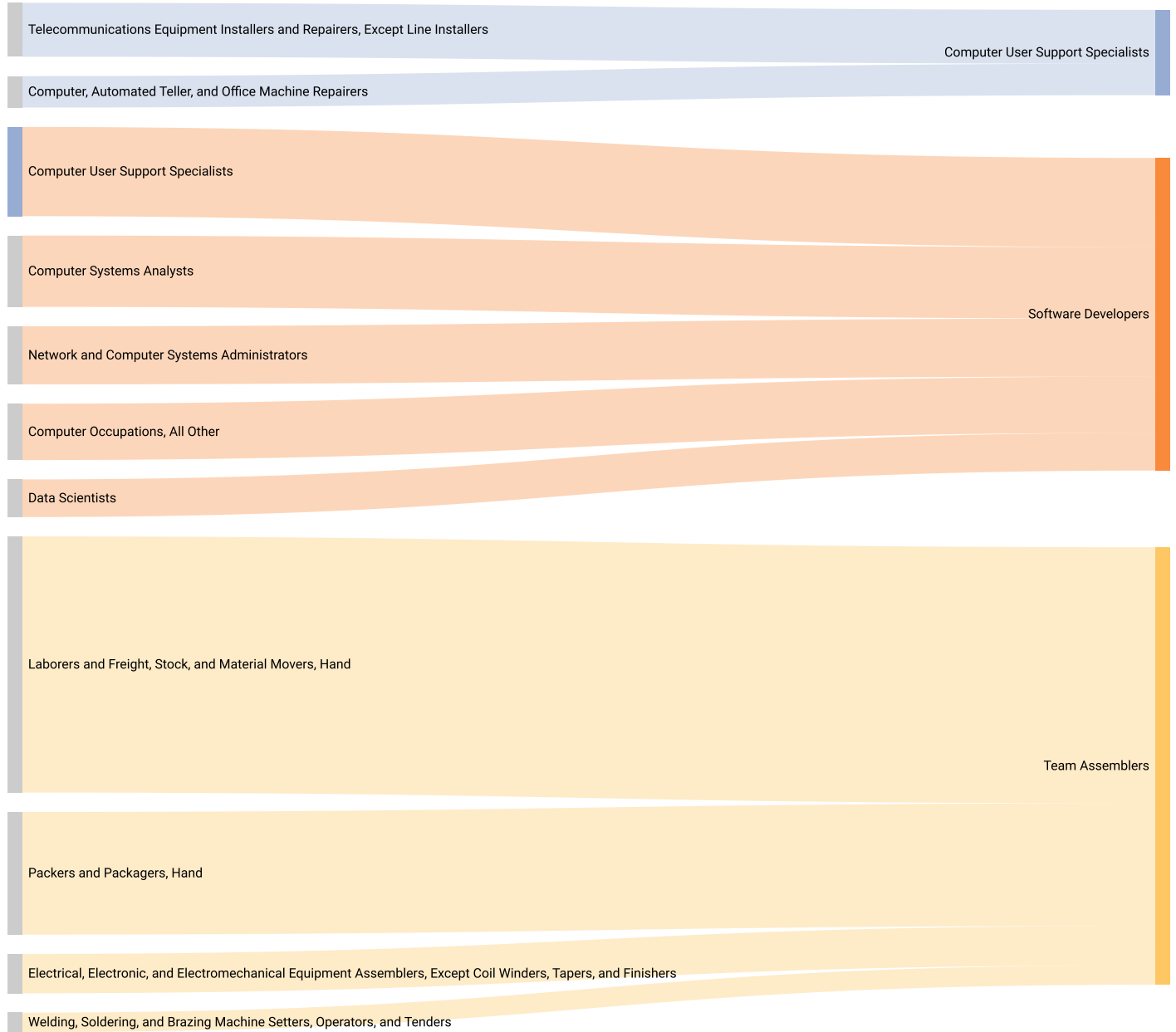
Supply Chain: Top Suppliers


As of 2025Q2, Autonomous Vehicles in Polk County, Florida are estimated to make \$331.7 million in annual purchases from suppliers in the United States with about 42% or \$139.2 million of these purchases being made from businesses located in Polk County, Florida.

4-digit Supplier Industries	Purchases from In-Region (\$M)	Purchases from Out-of-Region (\$M)
Motor Vehicle Parts Manufacturing	\$19.6	\$29.4
Engine, Turbine, and Power Transmission Equipment Manufacturing	\$4.3	\$15.2
Iron and Steel Mills and Ferroalloy Manufacturing	\$11.6	\$1.1
Management of Companies and Enterprises	\$9.7	\$2.3
Semiconductor and Other Electronic Component Manufacturing	\$1.3	\$7.4
Remaining Supplier Industries	\$92.8	\$137.1
Total	\$139.2	\$192.5

 Supplier-buyer networks can indicate local linkages between industries, regional capacity to support growth in an industry, and potential leakage of sales out of the region.

Sector Strategy Pathways



 The graphics on this page illustrate relationships and potential movement (from left to right) between occupations that share similar skill sets. Developing career pathways as a strategy promotes industry employment growth and workforce engagement.

Postsecondary Programs Linked to Autonomous Vehicles

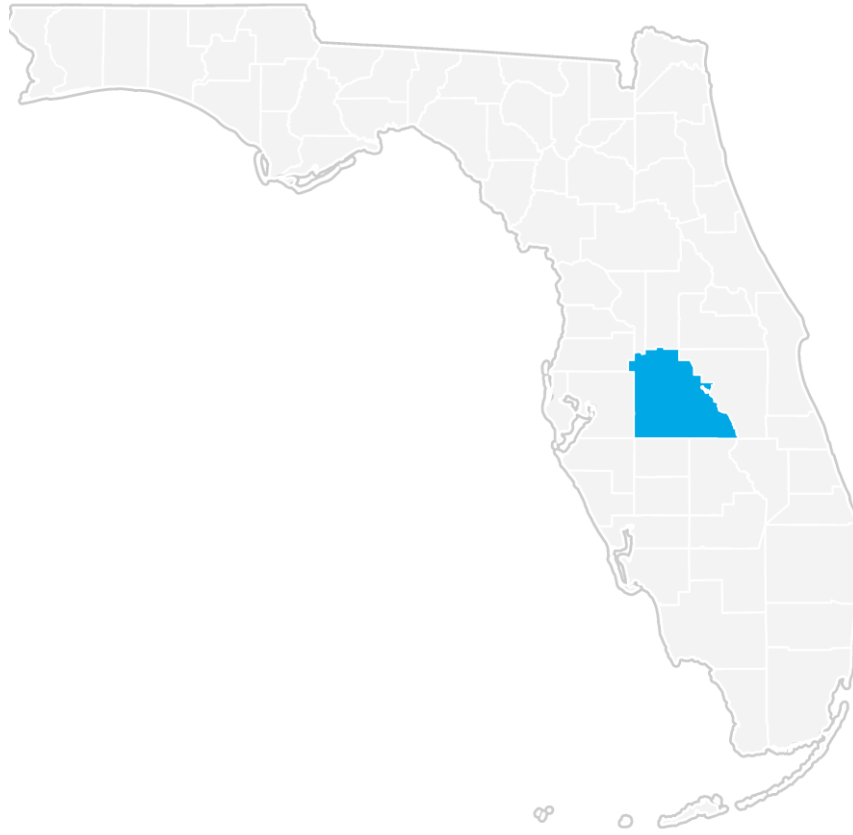
Program	Awards
Florida Polytechnic University	
Computer Engineering, General	24
Computer Science	126
Data Science, General	59
Electrical and Electronics Engineering	18
Mechanical Engineering	52
Polk State College	
Manufacturing Engineering Technology/Technician	8
Ridge Technical College	
Welding Technology/Welder	26
Traviss Technical College	
Aircraft Powerplant Technology/Technician	19
Computer Systems Networking and Telecommunications	24
Welding Technology/Welder	21

Source: [JobsEQ®](#)

 The number of graduates from postsecondary programs in the region identifies the pipeline of future workers as well as the training capacity to support industry demand.

 Among postsecondary programs at schools located in Polk County, Florida, the sampling above identifies those most linked to occupations relevant to Autonomous Vehicles. For a complete list see [JobsEQ®, http://www.chmuraecon.com/jobseq](http://www.chmuraecon.com/jobseq)

Polk County, Florida Regional Map



Data Notes

- Industry employment and wages (including total regional employment and wages) are as of 2025Q2 and are based upon BLS QCEW data, imputed by Chmura where necessary, and supplemented by additional sources including Census ZBP data. Employment forecasts are modeled by Chmura and are consistent with BLS national-level 10-year forecasts.
- Occupation employment is as of 2025Q2 and is based on industry employment and local staffing patterns calculated by Chmura and utilizing BLS OEWS data. Wages by occupation are as of 2025, utilizing BLS OEWS data and imputed by Chmura.
- GDP is derived from BEA data and imputations by Chmura. Productivity (output per worker) is calculated by Chmura using industry employment and wages as well as GDP and BLS output data. Supply chain modeling including purchases by industry are developed by Chmura.
- Postsecondary awards are per the NCES and are for the 2023-2024 academic year.
- Establishment counts are per the BLS QCEW data.
- Figures may not sum due to rounding.

Industry Definition

Autonomous Vehicles is defined as the following NAICS industries:

Code	Description
3341	Computer and Peripheral Equipment Manufacturing
3342	Communications Equipment Manufacturing
3343	Audio and Video Equipment Manufacturing
3344	Semiconductor and Other Electronic Component Manufacturing
3345	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
3346	Manufacturing and Reproducing Magnetic and Optical Media
3361	Motor Vehicle Manufacturing
3362	Motor Vehicle Body and Trailer Manufacturing
3363	Motor Vehicle Parts Manufacturing
3364	Aerospace Product and Parts Manufacturing
3365	Railroad Rolling Stock Manufacturing
3366	Ship and Boat Building
3369	Other Transportation Equipment Manufacturing
5415	Computer Systems Design and Related Services
5417	Scientific Research and Development Services

FAQ

What is (LQ) location quotient?

Location quotient is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

What is annual demand?

Annual demand is a of the sum of the annual projected growth demand and separation demand. Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. Growth demand is the increase or decrease of jobs expected due to expansion or contraction of the overall number of jobs.

What is the difference between industry wages and occupation wages?

Industry wages and occupation wages are estimated via separate data sets, often the time periods being reported do not align, and wages are defined slightly differently in the two systems (for example, certain bonuses are included in the industry wages but not the occupation wages). It is therefore common that estimates of the average industry wages and average occupation wages in a region do not match exactly.