

Tennessee

Advanced industries employ

226,190

full-time workers. (2013)

These direct jobs supports an additional

180,950

indirect jobs in other industries in
the region.

Advanced industries produce

\$38.3

billion dollars in output in the region.
(2013, 2005 Chained)

Advanced industries pay, on average

\$67,650

dollars per year (2013).

Advanced industries directly
account for

7.9%

of all jobs in the region.

This employment share is

#29

among all states.

This accounts for

14.2%

of all output in the region (2013).

This compares to average pay of

\$43,410

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

4.6%

2.7%

Tennessee

U.S.

OUTPUT

7.1%

3.8%

Tennessee

U.S.

What are Advanced Industries?

The Metropolitan Policy Program at Brookings defines advanced industries as those that: 1) Spend at least \$450 per worker per year on R&D and 2) employ at least 20 percent of their workforce in STEM-intensive occupations. The definition identifies 50 4-digit NAICS industries across the manufacturing, energy, and services sectors that together constitute the advanced industries super-sector.

Why do Advanced Industries Matter?

Advanced industries encompass the nation's "tech" sector at its broadest and most consequential. They represent a sizable economic anchor for the U.S. economy and have led the post-recession employment recovery. Their competitiveness and growth are prerequisites for any future broadly shared prosperity. As such, the sector encompasses the country's best shot at supporting innovative, inclusive, and sustainable growth. Advanced industries are present in nearly every U.S. region, but the sector's geography is uneven.

For More Information

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www.brookings.edu/advancedindustries

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DATA NOTES

All figures reflect Brookings analysis of data from Moody's Analytics.

Tennessee

Twenty-Five Largest Advanced Industries (2013)

There are 11 advanced industries in Tennessee with LQs over 1.5. LQs over 1.5 indicate specialization †

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2013)	Industry Location Quotient (LQ) † 2013	Industry Share of Total Advanced Industries Employment (2013)	Industry Employment Annual Growth 2010-2013	Industry Share of Total Advanced Industries Output (2013)	Industry Output Annual Growth 2010-2013
3363	Motor Vehicle Parts	36,050	3.52	15.9%	11.1%	14.2%	18.6%
5413	Architecture & Engineering	21,880	0.81	9.7%	1.4%	7.6%	2.1%
5415	Computer Systems Design	15,550	0.45	6.9%	6.9%	6.6%	8.2%
5416	Management Consulting	15,120	0.63	6.7%	1.3%	5.5%	0.6%
3361	Motor Vehicles	10,780	2.87	4.8%	12.6%	6.3%	21.5%
3252	Resins & Synthetic Rubbers	10,670	5.73	4.7%	0.1%	6.1%	2.6%
3352	Household Appliances	8,480	7.25	3.8%	2.2%	3.9%	9.5%
3391	Medical Equipment & Supplies	8,210	1.34	3.6%	-2.9%	3.7%	-2.9%
5417	R&D Services	8,200	0.64	3.6%	-1.8%	3.9%	0.9%
3362	Motor Vehicle Body & Trailers	7,920	2.90	3.5%	52.7%	2.6%	59.3%
6215	Medical and Diagnostic Laboratories	6,270	1.27	2.8%	6.7%	1.6%	7.2%
3399	Misc. Manufacturing	6,190	1.12	2.7%	1.2%	2.1%	2.1%
3353	Electrical Equipment	5,470	1.89	2.4%	5.2%	2.9%	12.3%
5182	Data Processing & Hosting	5,120	0.95	2.3%	5.8%	1.8%	5.6%
3339	General Purpose Machinery	4,810	0.93	2.1%	0.9%	1.5%	2.9%
3251	Basic Chemicals	4,650	1.61	2.1%	-0.1%	3.0%	2.8%
5172	Wireless Telecom Carriers	3,820	1.23	1.7%	-1.6%	1.9%	1.8%
3331	Agri., Constr., Mining Machinery	3,530	0.70	1.6%	4.5%	1.1%	5.9%
3259	Misc. Chemicals	3,340	1.99	1.5%	2.0%	1.6%	4.3%
3313	Aluminum Products	2,930	2.47	1.3%	1.9%	1.0%	11.3%
3359	Misc. Electrical Equipment	2,850	1.13	1.3%	1.6%	1.4%	7.9%
3366	Ships & Boats	2,740	1.06	1.2%	1.4%	0.7%	4.6%
3315	Foundries	2,620	1.04	1.2%	9.3%	0.8%	19.2%
2211	Power Generation & Supply	2,380	0.30	1.1%	0.6%	3.3%	-2.5%
3345	Precision Instruments	2,340	0.30	1.0%	0.6%	1.4%	6.4%
Advanced industries manufacturing		142,750	1.30	63.1%	5.8%	63.2%	9.4%
Advanced industries energy		3,610	0.28	1.6%	4.5%	5.2%	3.0%
Advanced industries services		79,830	0.64	35.3%	2.5%	31.6%	3.6%
ADVANCED INDUSTRIES TOTAL		226,190	0.91	100.0%	4.6%	100.0%	7.1%

† Location quotients are a measure of specialization for an industry using employment. A LQ of over 1 indicates that an industry employs more workers, as a share of total employment, than the nation as a whole.