

Kentucky

Advanced industries employ

160,320

full-time workers. (2013)

These direct jobs supports an additional

128,260

indirect jobs in other industries in the region.

Advanced industries produce

\$25.5

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

Advanced industries pay, on average

\$62,150

dollars per year (2013).

Advanced industries directly account for

8.1%

of all jobs in the region.

This employment share is

#26

among all states.

This accounts for

15.0%

of all output in the region (2013).

This compares to average pay of

\$39,470

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

4.2%

2.7%

Kentucky

U.S.

OUTPUT

3.7%

3.8%

Kentucky

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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DATA NOTES

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

Kentucky

Twenty-Five Largest Advanced Industries (2013)

There are 9 advanced industries in Kentucky 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	30,990	4.34	19.3%	9.7%	17.7%	11.0%
3361	Motor Vehicles	15,620	5.97	9.7%	9.8%	13.4%	12.5%
5415	Computer Systems Design	13,040	0.55	8.1%	3.9%	6.1%	5.1%
5413	Architecture & Engineering	11,110	0.59	6.9%	0.0%	4.2%	0.6%
5416	Management Consulting	10,730	0.65	6.7%	4.7%	4.2%	3.9%
3352	Household Appliances	5,980	7.35	3.7%	13.1%	3.6%	9.9%
5182	Data Processing & Hosting	5,880	1.57	3.7%	5.0%	2.0%	1.4%
3339	General Purpose Machinery	5,740	1.60	3.6%	3.6%	2.8%	8.1%
2211	Power Generation & Supply	5,190	0.94	3.2%	0.7%	10.0%	-1.8%
3313	Aluminum Products	4,790	5.83	3.0%	2.1%	2.3%	6.3%
3364	Aircraft Products & Parts	3,280	0.47	2.0%	-0.4%	1.4%	-10.3%
3251	Basic Chemicals	3,260	1.62	2.0%	-2.0%	3.6%	-4.7%
3399	Misc. Manufacturing	3,080	0.80	1.9%	-1.3%	0.8%	-0.1%
3252	Resins & Synthetic Rubbers	2,790	2.15	1.7%	1.7%	2.7%	-1.6%
3331	Agri., Constr., Mining Machinery	2,480	0.71	1.5%	5.5%	1.3%	9.8%
3341	Computer Equipment	2,350	1.06	1.5%	-4.4%	2.0%	0.2%
6215	Medical and Diagnostic Laboratories	2,200	0.64	1.4%	6.2%	0.7%	7.4%
3353	Electrical Equipment	2,070	1.03	1.3%	2.8%	1.4%	-0.7%
3362	Motor Vehicle Body & Trailers	2,030	1.07	1.3%	14.9%	0.9%	13.5%
3315	Foundries	1,940	1.11	1.2%	0.7%	0.8%	4.5%
3359	Misc. Electrical Equipment	1,800	1.02	1.1%	8.8%	1.1%	4.4%
3391	Medical Equipment & Supplies	1,700	0.40	1.1%	0.9%	0.6%	1.6%
3259	Misc. Chemicals	1,700	1.45	1.1%	-4.1%	1.3%	-7.5%
5417	R&D Services	1,540	0.17	1.0%	1.2%	0.8%	4.0%
5172	Wireless Telecom Carriers	1,530	0.71	1.0%	2.8%	1.4%	8.7%
Advanced industries manufacturing		106,240	1.39	66.3%	5.1%	67.8%	4.9%
Advanced industries energy		5,940	0.67	3.7%	-0.1%	10.9%	-1.7%
Advanced industries services		48,140	0.56	30.0%	3.0%	21.3%	3.4%
ADVANCED INDUSTRIES TOTAL		160,320	0.93	100.0%	4.2%	100.0%	3.7%

† 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.