

Kentucky

Advanced industries employ

171,205

full-time workers. (2015)

These direct jobs supports an additional

136,960

indirect jobs in other industries in
the region.

Advanced industries produce

\$25.7

billion dollars in output in the region.
(2015, 2009 Chained)

Advanced industries pay, on average

\$65,326

dollars per year (2015).

Advanced industries directly
account for

8.4%

of all jobs in the region.

This employment share is

#21

among all states.

This accounts for

14.8%

of all output in the region (2015).

This compares to average pay of

\$41,913

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOB

RANK:
#44

2.70%

3.39%

RANK:
#10

2.46%

0.84%

Kentucky

U.S.

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

VIEW THE FULL REPORT

www.brookings.edu/advancedindustries

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DATA NOTES

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

Kentucky

Twenty-Five Largest Advanced Industries (2015)

There are 8 advanced industries in Kentucky with LQs over 1.5. LQs over 1.5 indicate specialization †

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2015)	Industry Location Quotient (LQ) † 2015	Industry Share of Total Advanced Industries Employment (2015)	Industry Employment Annual Growth		Industry Share of Total Advanced Industries Output (2015)	Industry Output Annual Growth	
					2010- 2013	2013- 2015		2010- 2013	2013- 2015
3363	Motor Vehicle Parts	34,320	4.42	20.0%	9.6%	5.4%	16.6%	10.0%	3.0%
3361	Motor Vehicles	18,260	6.45	10.7%	9.7%	8.3%	12.9%	10.8%	5.1%
5415	Computer Systems Design	14,570	0.56	8.5%	4.0%	5.5%	5.6%	4.5%	8.2%
5413	Engineering	11,690	0.60	6.8%	0.1%	2.4%	4.3%	-0.6%	1.5%
5416	Management Consulting	11,110	0.63	6.5%	4.8%	1.6%	4.3%	2.5%	1.3%
3339	General Purpose Machinery	6,850	1.86	4.0%	3.7%	8.9%	2.1%	3.1%	-1.8%
5182	Data Processing & Hosting	6,050	1.47	3.5%	5.4%	1.0%	2.2%	-1.3%	10.2%
3352	Household Appliances	5,720	6.76	3.3%	13.2%	-2.5%	3.1%	7.7%	-3.4%
2211	Power Generation & Supply	5,260	0.97	3.1%	0.8%	0.5%	8.0%	-3.8%	-6.4%
3313	Aluminum Products	5,040	6.14	2.9%	2.3%	2.2%	2.9%	17.9%	-2.6%
3399	Misc. Manufacturing	3,210	0.83	1.9%	-1.2%	1.8%	0.7%	-5.1%	1.6%
3362	Motor Vehicle Body & Trailers	2,990	1.45	1.7%	14.2%	22.5%	1.3%	11.7%	23.6%
3331	Agri., Constr., Mining Machinery	2,880	0.88	1.7%	5.7%	7.5%	1.0%	4.7%	-1.9%
3364	Aircraft Products & Parts	2,880	0.43	1.7%	-1.0%	-5.7%	2.5%	1.6%	-4.5%
3252	Resins & Synthetic Rubbers	2,820	2.17	1.6%	1.8%	0.2%	3.0%	2.0%	0.2%
6215	Medical and Diagnostic Laboratories	2,500	0.70	1.5%	6.2%	6.7%	0.8%	5.7%	7.7%
3251	Basic Chemicals	2,390	1.16	1.4%	-1.9%	-14.7%	2.8%	-1.3%	-15.7%
3315	Foundries	2,270	1.33	1.3%	0.9%	7.6%	1.1%	16.4%	2.0%
3341	Computer Equipment	2,230	1.00	1.3%	-2.0%	-0.4%	2.3%	8.1%	0.9%
3353	Electrical Equipment	2,010	1.02	1.2%	2.9%	-1.7%	1.2%	-2.5%	-3.4%
3259	Misc. Chemicals	1,770	1.57	1.0%	-4.0%	1.9%	1.5%	-4.6%	-0.1%
3359	Misc. Electrical Equipment	1,700	0.95	1.0%	8.9%	-3.1%	1.0%	2.2%	-4.4%
3391	Medical Equipment & Supplies	1,680	0.40	1.0%	1.0%	-0.9%	0.5%	-3.5%	0.6%
3332	Industrial Machinery	1,670	1.07	1.0%	3.1%	14.8%	0.6%	2.1%	5.6%
5417	R&D Services	1,660	0.18	1.0%	1.3%	4.0%	0.9%	2.9%	4.9%
IFG	Advanced industries manufacturing	114,290	1.49	66.8%	5.1%	3.7%	69.8%	6.2%	0.5%
	Advanced industries energy	5,960	0.69	3.5%	-0.1%	0.1%	8.8%	-4.5%	-5.6%
	Advanced industries services	50,950	0.55	29.8%	3.1%	3.1%	21.5%	2.2%	5.0%
ADVANCED INDUSTRIES TOTAL		171,210	0.97	100.0%	4.3%	3.4%	100.0%	4.1%	0.8%

† 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.