

Lexington, KY

Advanced industries employ

29,010

full-time workers. (2013)

These direct jobs supports an additional

23,210

indirect jobs in other industries in
the region.

Advanced industries produce

\$4.2

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

Advanced industries pay, on average

\$66,540

dollars per year (2013).

Advanced industries directly
account for

10.7%

of all jobs in the region.

This employment share is

#41

among all small metros.

This accounts for

17.9%

of all output in the region (2013).

This compares to average pay of

\$41,400

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

0.7%

OUTPUT

3.8%

1.3%

Lexington, KY

U.S.

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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.

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Twenty-Five Largest Advanced Industries (2013)

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
3361	Motor Vehicles	3,980	11.14	13.7%	-0.7%	20.0%	4.0%
3363	Motor Vehicle Parts	3,110	3.19	10.7%	-2.2%	9.5%	-1.4%
5182	Data Processing & Hosting	3,110	6.08	10.7%	8.4%	6.1%	4.5%
5413	Architecture & Engineering	2,660	1.03	9.2%	-1.3%	5.9%	-2.4%
3364	Aircraft Products & Parts	2,150	2.26	7.4%	-1.4%	7.1%	-4.0%
3341	Computer Equipment	2,000	6.60	6.9%	-7.7%	9.2%	-2.1%
5415	Computer Systems Design	2,000	0.61	6.9%	-2.8%	6.4%	2.2%
5416	Management Consulting	1,870	0.83	6.4%	20.6%	4.7%	22.5%
3353	Electrical Equipment	980	3.56	3.4%	2.3%	3.8%	-0.2%
3331	Agri., Constr., Mining Machinery	820	1.71	2.8%	5.4%	2.8%	10.0%
3344	Semiconductors	660	0.92	2.3%	-4.5%	1.4%	-0.5%
3254	Pharmaceuticals	580	1.09	2.0%	0.0%	3.8%	-4.0%
3399	Misc. Manufacturing	560	1.07	1.9%	10.3%	0.9%	12.4%
6215	Medical and Diagnostic Laboratories	560	1.19	1.9%	10.2%	1.1%	11.7%
3362	Motor Vehicle Body & Trailers	390	1.49	1.3%	8.0%	1.2%	5.3%
5417	R&D Services	300	0.25	1.0%	-1.9%	1.3%	0.5%
3366	Ships & Boats	290	1.17	1.0%	-9.2%	0.5%	-4.9%
3339	General Purpose Machinery	290	0.58	1.0%	8.5%	0.9%	16.1%
2211	Power Generation & Supply	270	0.35	0.9%	-6.8%	3.6%	-6.5%
3279	Stone & Mineral Products	180	1.38	0.6%	2.9%	0.4%	2.2%
3251	Basic Chemicals	180	0.66	0.6%	2.9%	1.0%	-2.6%
3352	Household Appliances	170	1.51	0.6%	-0.2%	0.7%	-4.3%
3259	Misc. Chemicals	150	0.96	0.5%	2.8%	0.6%	-6.6%
5172	Wireless Telecom Carriers	150	0.52	0.5%	-7.9%	1.1%	0.4%
5174	Satellite Telecommunications	150	8.57	0.5%	-10.9%	0.0%	-2.9%
Advanced industries manufacturing		17,560	1.68	60.5%	-1.1%	67.6%	0.5%
Advanced industries energy		300	0.25	1.0%	-5.5%	3.9%	-5.1%
Advanced industries services		11,160	0.94	38.5%	4.0%	28.5%	4.4%
ADVANCED INDUSTRIES TOTAL		29,010	1.23	100.0%	0.7%	100.0%	1.3%

† 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.