

Lawrence, KS

Advanced industries employ

3,910

full-time workers. (2013)

These direct jobs supports an additional

3,130

indirect jobs in other industries in the region.

Advanced industries produce

\$0.5

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

Advanced industries pay, on average

\$51,660

dollars per year (2013).

Advanced industries directly account for

7.5%

of all jobs in the region.

This employment share is

#86

among all small metros.

This accounts for

11.8%

of all output in the region (2013).

This compares to average pay of

\$34,550

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-3.4%

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U.S.

-0.4%

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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
5416	Management Consulting	1,360	3.12	34.9%	-5.3%	26.2%	-5.6%
5415	Computer Systems Design	570	0.91	14.6%	0.5%	14.1%	3.0%
5413	Architecture & Engineering	330	0.67	8.5%	-2.7%	6.1%	1.0%
2211	Power Generation & Supply	210	1.45	5.4%	-0.3%	13.2%	0.1%
5152	Cable and Other Subscription Programming	210	7.74	5.2%	-15.8%	0.7%	13.1%
3251	Basic Chemicals	190	3.55	4.8%	1.1%	12.5%	4.0%
3359	Misc. Electrical Equipment	160	3.47	4.1%	1.7%	2.5%	-0.7%
3339	General Purpose Machinery	80	0.82	2.0%	18.7%	1.5%	24.5%
3399	Misc. Manufacturing	80	0.76	2.0%	-5.1%	0.9%	-6.7%
5417	R&D Services	80	0.33	1.9%	3.3%	1.8%	7.7%
5172	Wireless Telecom Carriers	70	1.23	1.8%	32.6%	2.5%	29.0%
3315	Foundries	60	1.34	1.6%	0.5%	0.9%	12.4%
3364	Aircraft Products & Parts	60	0.32	1.5%	-9.3%	2.1%	-11.2%
5182	Data Processing & Hosting	60	0.60	1.5%	-25.9%	1.3%	-29.5%
3342	Communications Equipment	40	1.11	1.0%	-6.4%	1.6%	-8.4%
3353	Electrical Equipment	40	0.77	1.0%	-6.4%	1.3%	-5.2%
3363	Motor Vehicle Parts	40	0.21	1.0%	-15.4%	0.7%	-0.7%
3391	Medical Equipment & Supplies	40	0.33	0.9%	74.2%	0.6%	66.8%
3254	Pharmaceuticals	30	0.26	0.7%	2.7%	2.8%	14.9%
5191	Web Search Portals and Internet Publishing	20	0.30	0.6%	-15.1%	0.4%	-15.0%
3331	Agri., Constr., Mining Machinery	20	0.23	0.5%	37.9%	0.6%	45.9%
6215	Medical and Diagnostic Laboratories	20	0.23	0.5%	175.9%	0.4%	158.7%
3362	Motor Vehicle Body & Trailers	10	0.28	0.4%	-9.7%	0.6%	3.7%
3351	Electrical Lighting Equipment	10	0.74	0.3%	0.0%	0.2%	-2.1%
3352	Household Appliances	10	0.61	0.3%	2.7%	0.2%	-0.5%
Advanced industries manufacturing		960	0.48	24.6%	0.2%	32.1%	3.2%
Advanced industries energy		220	0.92	5.5%	-0.2%	13.4%	0.2%
Advanced industries services		2,730	1.20	69.9%	-4.8%	54.5%	-2.5%
ADVANCED INDUSTRIES TOTAL		3,910	0.86	100.0%	-3.4%	100.0%	-0.4%

† 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.