

Illinois

Advanced industries employ

515,400

full-time workers. (2013)

These direct jobs supports an additional

412,320

indirect jobs in other industries in the region.

Advanced industries produce

\$105.0

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

Advanced industries pay, on average

\$89,800

dollars per year (2013).

Advanced industries directly account for

8.7%

of all jobs in the region.

This employment share is

#17

among all states.

This accounts for

15.6%

of all output in the region (2013).

This compares to average pay of

\$53,980

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

2.7%

Illinois

U.S.

OUTPUT

3.9%

3.8%

Illinois

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.

Illinois

Twenty-Five Largest Advanced Industries (2013)

There are 10 advanced industries in Illinois 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
5415	Computer Systems Design	71,680	1.01	13.9%	7.4%	12.1%	8.1%
5416	Management Consulting	69,370	1.40	13.5%	4.3%	9.9%	3.0%
5413	Architecture & Engineering	44,690	0.80	8.7%	1.3%	6.2%	1.4%
3331	Agri., Constr., Mining Machinery	27,240	2.62	5.3%	4.0%	6.4%	9.8%
5417	R&D Services	24,750	0.94	4.8%	-2.4%	4.6%	-0.2%
3363	Motor Vehicle Parts	22,380	1.05	4.3%	5.9%	2.2%	5.6%
2211	Power Generation & Supply	18,370	1.12	3.6%	1.1%	8.0%	-4.6%
3254	Pharmaceuticals	17,940	1.56	3.5%	-0.2%	7.1%	0.7%
3339	General Purpose Machinery	17,210	1.61	3.3%	2.0%	3.7%	7.9%
3399	Misc. Manufacturing	16,300	1.42	3.2%	0.0%	2.3%	2.3%
3345	Precision Instruments	13,290	0.81	2.6%	-2.4%	2.5%	-1.0%
3391	Medical Equipment & Supplies	12,570	0.99	2.4%	1.9%	2.3%	3.8%
3344	Semiconductors	10,210	0.65	2.0%	-1.1%	1.9%	1.9%
3361	Motor Vehicles	10,000	1.28	1.9%	22.7%	1.5%	24.0%
3353	Electrical Equipment	9,410	1.57	1.8%	-0.3%	1.2%	-1.9%
5182	Data Processing & Hosting	9,100	0.81	1.8%	2.3%	1.4%	-0.4%
5191	Web Search Portals and Internet Publishing	9,000	1.10	1.7%	13.2%	1.4%	20.8%
5172	Wireless Telecom Carriers	8,180	1.27	1.6%	-1.7%	2.0%	3.9%
3359	Misc. Electrical Equipment	7,910	1.50	1.5%	0.5%	0.9%	-1.7%
6215	Medical and Diagnostic Laboratories	6,840	0.67	1.3%	0.4%	0.6%	1.0%
3336	Engine & Power Equipment	6,740	1.59	1.3%	-1.6%	1.7%	4.2%
3332	Industrial Machinery	6,400	1.44	1.2%	4.8%	1.6%	10.6%
3315	Foundries	5,900	1.13	1.1%	6.5%	0.5%	14.8%
3259	Misc. Chemicals	5,800	1.67	1.1%	2.9%	1.3%	2.0%
3251	Basic Chemicals	5,600	0.93	1.1%	0.5%	1.8%	0.9%
Advanced industries manufacturing		243,130	1.07	47.2%	2.2%	50.8%	5.6%
Advanced industries energy		19,560	0.74	3.8%	1.6%	8.1%	-4.4%
Advanced industries services		252,710	0.98	49.0%	3.4%	41.1%	3.9%
ADVANCED INDUSTRIES TOTAL		515,400	1.00	100.0%	2.7%	100.0%	3.9%

† 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.