

Chicago, IL-IN-WI

Advanced industries employ

405,170

full-time workers. (2013)

These direct jobs supports an additional

324,140

indirect jobs in other industries in
the region.

Advanced industries produce

\$80.5

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

Advanced industries pay, on average

\$97,420

dollars per year (2013).

Advanced industries directly
account for

9.0%

of all jobs in the region.

This employment share is

#41

among all large metros.

This accounts for

15.7%

of all output in the region (2013).

This compares to average pay of

\$58,160

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

OUTPUT

2.9%

2.7%

Chicago, IL-IN-WI

U.S.

3.4%

3.8%

Chicago, IL-IN-WI

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.

Chicago, IL-IN-WI

Twenty-Five Largest Advanced Industries (2013)

There are 10 advanced industries in Chicago, IL-IN-WI 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
5416	Management Consulting	65,530	1.75	16.2%	4.7%	12.3%	3.1%
5415	Computer Systems Design	63,450	1.18	15.7%	8.7%	13.8%	9.3%
5413	Architecture & Engineering	36,650	0.86	9.0%	2.0%	6.3%	1.9%
5417	R&D Services	19,810	0.99	4.9%	-1.7%	5.2%	-0.1%
3311	Iron & Steel Products	17,610	6.11	4.3%	2.0%	3.0%	-0.6%
3254	Pharmaceuticals	16,690	1.91	4.1%	-0.4%	7.9%	-0.4%
3399	Misc. Manufacturing	13,940	1.61	3.4%	0.1%	2.6%	2.3%
2211	Power Generation & Supply	12,560	1.01	3.1%	2.0%	6.7%	-2.6%
3339	General Purpose Machinery	11,320	1.40	2.8%	1.7%	3.0%	7.9%
3391	Medical Equipment & Supplies	11,250	1.17	2.8%	1.7%	2.8%	3.1%
3363	Motor Vehicle Parts	10,520	0.65	2.6%	6.0%	1.5%	4.0%
3345	Precision Instruments	9,240	0.74	2.3%	-0.9%	2.1%	-1.4%
3344	Semiconductors	8,710	0.74	2.2%	-3.2%	1.9%	-0.2%
5191	Web Search Portals and Internet Publishing	8,500	1.37	2.1%	11.4%	1.7%	21.6%
5182	Data Processing & Hosting	8,200	0.97	2.0%	2.4%	1.6%	0.4%
3353	Electrical Equipment	7,660	1.69	1.9%	-0.8%	1.1%	-2.9%
5172	Wireless Telecom Carriers	7,540	1.55	1.9%	-1.3%	2.3%	4.2%
3359	Misc. Electrical Equipment	6,710	1.69	1.7%	0.9%	1.1%	-0.9%
6215	Medical and Diagnostic Laboratories	6,700	0.86	1.7%	1.6%	0.7%	1.6%
3336	Engine & Power Equipment	4,710	1.47	1.2%	-0.7%	1.7%	2.7%
3342	Communications Equipment	4,700	1.49	1.2%	-5.0%	1.1%	-4.4%
3259	Misc. Chemicals	4,580	1.74	1.1%	1.7%	1.3%	-0.8%
3332	Industrial Machinery	4,550	1.35	1.1%	4.9%	1.6%	11.3%
3241	Petroleum & Coal Products	4,430	1.25	1.1%	0.4%	5.1%	14.9%
3361	Motor Vehicles	3,840	0.65	0.9%	10.0%	0.9%	23.4%
Advanced industries manufacturing		170,670	0.99	42.1%	1.1%	46.6%	3.2%
Advanced industries energy		12,580	0.63	3.1%	2.0%	6.7%	-2.6%
Advanced industries services		221,920	1.13	54.8%	4.4%	46.7%	4.7%
ADVANCED INDUSTRIES TOTAL		405,170	1.04	100.0%	2.9%	100.0%	3.4%

† 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.