

Carbondale, IL

Advanced industries employ

2,230

full-time workers. (2013)

These direct jobs supports an additional

1,780

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

\$54,360

dollars per year (2013).

Advanced industries directly account for

4.0%

of all jobs in the region.

This employment share is

#223

among all small metros.

This accounts for

9.1%

of all output in the region (2013).

This compares to average pay of

\$39,110

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.8%

2.7%

Carbondale, IL

U.S.

OUTPUT

2.1%

3.8%

Carbondale, IL

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

SEE THE INTERACTIVE

www.brookings.edu/advancedindustries

FOLLOW US ON TWITTER

@BrookingsMetro | @MarkMuro1 | #AdvIndustries

DATA NOTES

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

Carbondale, IL

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
2211	Power Generation & Supply	360	2.32	16.2%	1.9%	29.2%	-3.8%
5413	Architecture & Engineering	170	0.31	7.5%	0.0%	4.7%	0.3%
3363	Motor Vehicle Parts	150	0.75	6.7%	8.3%	3.5%	9.5%
3344	Semiconductors	150	0.98	6.5%	9.3%	4.9%	12.1%
3353	Electrical Equipment	120	2.05	5.2%	8.4%	2.6%	6.4%
5415	Computer Systems Design	120	0.17	5.2%	0.6%	4.0%	1.7%
3311	Iron & Steel Products	100	2.67	4.3%	9.1%	2.3%	20.0%
3399	Misc. Manufacturing	90	0.79	3.9%	0.0%	2.5%	2.1%
5172	Wireless Telecom Carriers	80	1.33	3.6%	19.1%	3.6%	36.3%
3345	Precision Instruments	60	0.38	2.6%	3.0%	2.1%	2.6%
3352	Household Appliances	60	2.58	2.6%	7.9%	1.3%	6.3%
3254	Pharmaceuticals	50	0.50	2.4%	7.1%	5.9%	8.3%
5416	Management Consulting	50	0.12	2.4%	-11.5%	1.6%	-12.7%
3259	Misc. Chemicals	50	1.58	2.3%	5.7%	2.0%	3.1%
3359	Misc. Electrical Equipment	50	0.99	2.2%	5.3%	1.2%	3.6%
5179	Other telecommunications	50	1.35	2.0%	-23.4%	3.1%	-21.6%
5182	Data Processing & Hosting	40	0.40	1.9%	0.8%	1.2%	-2.0%
3251	Basic Chemicals	40	0.69	1.8%	5.7%	2.3%	6.8%
3342	Communications Equipment	40	0.97	1.7%	9.4%	1.4%	8.3%
5417	R&D Services	40	0.14	1.6%	0.0%	1.6%	2.2%
3315	Foundries	30	0.61	1.3%	6.3%	0.3%	11.2%
3241	Petroleum & Coal Products	30	0.65	1.3%	9.6%	5.3%	33.0%
6215	Medical and Diagnostic Laboratories	30	0.30	1.3%	5.1%	0.4%	3.4%
3252	Resins & Synthetic Rubbers	30	0.74	1.2%	7.1%	1.2%	3.6%
3331	Agri., Constr., Mining Machinery	30	0.27	1.2%	-2.4%	1.7%	5.7%
Advanced industries manufacturing		1,230	0.57	55.1%	5.9%	46.3%	9.5%
Advanced industries energy		380	1.52	17.1%	2.3%	29.9%	-3.5%
Advanced industries services		620	0.25	27.8%	-2.1%	23.8%	-2.2%
ADVANCED INDUSTRIES TOTAL		2,230	0.46	100.0%	2.8%	100.0%	2.1%

† 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.