

Carbondale, IL

Advanced industries employ

2,484

full-time workers. (2015)

These direct jobs supports an additional

1,990

indirect jobs in other industries in the region.

Advanced industries produce

\$0.5

billion dollars in output in the region. (2015, 2009 Chained)

Advanced industries pay, on average

\$58,442

dollars per year (2015).

Advanced industries directly account for

4.2%

of all jobs in the region.

This employment share is

#216

among all small metros.

This accounts for

9.1%

of all output in the region (2015).

This compares to average pay of

\$39,704

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOBS

6.17% RANK: #31

2.70%

5.71% RANK: #28

2.46%

Carbondale, IL

U.S.

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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

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DATA NOTES

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

Carbondale, IL

Twenty-Five Largest Advanced Industries (2015)

There are 7 advanced industries in Carbondale, IL with LQs over 1.5. LQs over 1.5 indicate specialization †

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2015)	Industry Location Quotient (LQ) † 2015	Industry Share of Total Advanced Industries Employment (2015)	Industry Employment Annual Growth		Industry Share of Total Advanced Industries Output (2015)	Industry Output Annual Growth	
					2010-2013	2013-2015		2010-2013	2013-2015
3344	Semiconductors	340	2.29	13.7%	12.3%	16.4%	11.8%	15.9%	16.1%
2211	Power Generation & Supply	300	1.86	11.9%	1.9%	0.9%	21.2%	-5.9%	-4.2%
3363	Motor Vehicle Parts	230	1.00	9.1%	7.4%	8.7%	6.1%	13.0%	10.7%
5415	Computer Systems Design	170	0.21	6.6%	3.4%	6.7%	3.2%	4.0%	5.5%
5413	Engineering	160	0.28	6.5%	3.6%	-5.4%	4.1%	3.5%	-3.2%
3311	Iron & Steel Products	140	3.99	5.8%	8.1%	9.2%	2.8%	20.5%	5.0%
3399	Misc. Manufacturing	100	0.87	4.0%	-0.3%	-8.4%	2.7%	-0.4%	-9.6%
3342	Communications Equipment	90	2.50	3.6%	12.0%	16.1%	3.1%	12.1%	10.5%
5179	Other telecommunications	90	2.62	3.5%	-22.8%	3.0%	4.4%	-24.5%	3.3%
3345	Precision Instruments	70	0.45	2.9%	6.9%	15.2%	2.6%	7.5%	15.0%
5416	Management Consulting	60	0.11	2.4%	-8.1%	0.0%	2.1%	-9.9%	17.1%
5172	Wireless Telecom Carriers	60	1.05	2.3%	25.4%	-9.1%	4.1%	37.5%	1.9%
3353	Electrical Equipment	50	0.94	2.2%	7.5%	8.3%	1.3%	9.3%	4.3%
5182	Data Processing & Hosting	50	0.42	2.0%	0.0%	2.1%	1.8%	-4.1%	17.8%
2111	Oil & Gas Extraction	50	0.62	1.9%	14.9%	8.2%	0.9%	15.5%	-9.1%
3331	Agri., Constr., Mining Machinery	50	0.47	1.8%	-2.2%	24.6%	2.1%	0.3%	16.7%
3241	Petroleum & Coal Products	40	0.97	1.7%	7.5%	9.3%	9.2%	30.0%	20.7%
3315	Foundries	40	0.80	1.6%	5.4%	8.5%	0.5%	14.8%	10.7%
3339	General Purpose Machinery	40	0.36	1.6%	5.4%	7.1%	1.5%	7.9%	15.3%
6215	Medical and Diagnostic Laboratories	40	0.34	1.4%	3.1%	2.9%	0.5%	-0.5%	3.3%
3361	Motor Vehicles	30	0.40	1.3%	1.2%	6.7%	1.4%	19.9%	10.0%
3352	Household Appliances	30	1.09	1.1%	6.6%	8.3%	0.5%	0.6%	9.0%
3359	Misc. Electrical Equipment	20	0.44	0.9%	3.8%	10.0%	0.6%	6.3%	6.0%
5152	Cable and Other Subscription Programming	20	0.92	0.9%	-3.0%	4.7%	1.1%	-2.4%	-5.8%
3362	Motor Vehicle Body & Trailers	20	0.33	0.8%	4.0%	5.4%	0.4%	1.6%	10.6%
IFG	Advanced industries manufacturing	1,460	0.65	58.7%	6.3%	10.1%	53.0%	12.1%	12.9%
	Advanced industries energy	340	1.36	13.8%	3.2%	1.8%	22.1%	-5.3%	-4.5%
	Advanced industries services	680	0.25	27.4%	-2.0%	-0.4%	24.9%	-4.0%	4.2%
	ADVANCED INDUSTRIES TOTAL	2,480	0.48	100.0%	3.0%	5.7%	100.0%	1.9%	6.2%

† 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.