

Morgantown, WV

Advanced industries employ

5,320

full-time workers. (2013)

These direct jobs supports an additional

4,260

indirect jobs in other industries in
the region.

Advanced industries produce

\$1.0

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

Advanced industries pay, on average

\$57,440

dollars per year (2013).

Advanced industries directly
account for

7.6%

of all jobs in the region.

This employment share is

#81

among all small metros.

This accounts for

17.9%

of all output in the region (2013).

This compares to average pay of

\$41,450

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

1.6%

2.7%

OUTPUT

3.8%

-0.7%

Morgantown, WV

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

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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
2211	Power Generation & Supply	790	4.07	14.9%	-5.7%	13.9%	-19.5%
5417	R&D Services	620	1.99	11.6%	3.1%	6.3%	7.8%
3251	Basic Chemicals	560	7.92	10.5%	4.1%	15.9%	-0.6%
5413	Architecture & Engineering	440	0.66	8.3%	-0.7%	4.0%	-3.8%
3254	Pharmaceuticals	370	2.72	6.9%	4.6%	12.4%	4.0%
3252	Resins & Synthetic Rubbers	350	7.77	6.6%	4.3%	14.4%	9.6%
5416	Management Consulting	350	0.59	6.5%	7.9%	3.8%	4.3%
3253	Pesticides & Fertilizers	250	13.75	4.8%	4.4%	5.9%	1.9%
5415	Computer Systems Design	230	0.27	4.3%	3.1%	3.5%	8.3%
5182	Data Processing & Hosting	220	1.64	4.1%	7.1%	2.6%	16.8%
3363	Motor Vehicle Parts	150	0.60	2.8%	5.2%	1.5%	18.7%
3364	Aircraft Products & Parts	150	0.60	2.8%	4.4%	3.2%	0.9%
3259	Misc. Chemicals	110	2.61	2.0%	8.0%	1.4%	-3.5%
3311	Iron & Steel Products	110	2.33	2.0%	4.9%	1.7%	31.2%
3331	Agri., Constr., Mining Machinery	90	0.76	1.8%	1.1%	0.5%	5.6%
3313	Aluminum Products	90	3.07	1.7%	2.8%	1.0%	26.4%
3345	Precision Instruments	60	0.30	1.1%	6.5%	0.6%	6.6%
3279	Stone & Mineral Products	50	1.37	0.9%	2.2%	0.4%	7.3%
5179	Other telecommunications	40	0.89	0.7%	-0.9%	1.2%	-9.0%
2111	Oil & Gas Extraction	30	0.34	0.6%	3.2%	1.4%	30.2%
3361	Motor Vehicles	30	0.36	0.6%	4.4%	1.7%	15.3%
3241	Petroleum & Coal Products	30	0.51	0.5%	5.3%	0.3%	-11.5%
3359	Misc. Electrical Equipment	30	0.42	0.5%	2.7%	0.3%	-2.6%
3399	Misc. Manufacturing	30	0.19	0.5%	15.2%	0.4%	4.4%
3271	Clay Product and Refractory Manufacturing	20	1.25	0.5%	-6.1%	0.3%	-0.9%
Advanced industries manufacturing		2,580	0.96	48.5%	4.4%	63.1%	4.5%
Advanced industries energy		820	2.63	15.5%	-5.4%	15.3%	-17.5%
Advanced industries services		1,920	0.63	36.1%	1.6%	21.6%	3.3%
ADVANCED INDUSTRIES TOTAL		5,320	0.88	100.0%	1.6%	100.0%	-0.7%

† 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.