

Charleston, WV

Advanced industries employ

6,133

full-time workers. (2015)

These direct jobs supports an additional

4,910

indirect jobs in other industries in the region.

Advanced industries produce

\$1.3

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

Advanced industries pay, on average

\$88,573

dollars per year (2015).

Advanced industries directly account for

4.9%

of all jobs in the region.

This employment share is

#187

among all small metros.

This accounts for

11.6%

of all output in the region (2015).

This compares to average pay of

\$43,125

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOBS

5.94%

RANK:
#36

2.70%

RANK:
#168

2.46%

0.78%

Charleston, WV

U.S.

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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

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DATA NOTES

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

Charleston, WV

Twenty-Five Largest Advanced Industries (2015)

There are 4 advanced industries in Charleston, WV 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
3251	Basic Chemicals	980	7.72	15.9%	-7.2%	-2.7%	19.7%	-14.3%	-3.6%
5413	Engineering	940	0.78	15.3%	3.0%	-8.2%	6.9%	0.4%	-7.4%
5416	Management Consulting	620	0.57	10.1%	13.1%	1.9%	4.9%	10.7%	-2.9%
3363	Motor Vehicle Parts	570	1.20	9.4%	36.3%	16.2%	8.7%	55.1%	15.9%
5415	Computer Systems Design	440	0.27	7.2%	2.8%	3.6%	4.2%	10.9%	0.2%
2111	Oil & Gas Extraction	400	2.45	6.6%	-2.2%	-0.1%	24.1%	20.7%	35.2%
2211	Power Generation & Supply	350	1.03	5.7%	-4.2%	0.4%	4.4%	-19.4%	-9.0%
5417	R&D Services	290	0.51	4.7%	4.5%	0.9%	2.0%	10.0%	-2.6%
6215	Medical and Diagnostic Laboratories	280	1.25	4.5%	-8.3%	-0.7%	1.7%	-5.4%	4.2%
3364	Aircraft Products & Parts	160	0.39	2.7%	39.2%	18.5%	5.8%	46.1%	13.5%
3254	Pharmaceuticals	150	0.63	2.4%	-8.8%	-3.2%	3.7%	-11.9%	-4.1%
3252	Resins & Synthetic Rubbers	140	1.71	2.2%	10.1%	-3.5%	3.8%	12.3%	-8.7%
5182	Data Processing & Hosting	130	0.49	2.0%	1.2%	46.8%	1.0%	1.9%	37.8%
3253	Pesticides & Fertilizers	100	3.25	1.7%	-8.8%	-3.2%	1.7%	-13.6%	-4.2%
3391	Medical Equipment & Supplies	70	0.28	1.2%	-1.9%	-5.6%	0.4%	-24.9%	-8.0%
3241	Petroleum & Coal Products	70	0.74	1.1%	0.5%	3.0%	1.6%	1.0%	11.8%
3331	Agri., Constr., Mining Machinery	70	0.34	1.1%	13.1%	12.0%	0.3%	15.6%	13.8%
3339	General Purpose Machinery	60	0.27	1.0%	27.1%	25.1%	0.3%	22.2%	23.2%
3361	Motor Vehicles	40	0.21	0.6%	42.4%	17.7%	1.3%	63.6%	17.0%
3344	Semiconductors	30	0.09	0.5%	-6.0%	-23.1%	0.2%	-1.9%	-22.8%
3259	Misc. Chemicals	20	0.33	0.4%	-12.6%	-2.1%	0.1%	-26.7%	-23.6%
3333	Commercial & Service Machinery	20	0.30	0.4%	18.6%	23.8%	0.2%	14.8%	16.3%
2122	Metal Ore Mining	20	0.55	0.3%	-4.8%	0.0%	0.8%	-3.5%	18.3%
3279	Stone & Mineral Products	20	0.29	0.3%	-1.7%	-2.7%	0.1%	3.4%	-5.8%
3311	Iron & Steel Products	20	0.24	0.3%	4.9%	9.5%	0.2%	41.0%	3.1%
IFG	Advanced industries manufacturing	2,630	0.56	42.9%	0.8%	3.0%	49.4%	-3.8%	1.6%
	Advanced industries energy	770	1.44	12.5%	-3.2%	0.1%	29.3%	1.3%	23.9%
	Advanced industries services	2,730	0.48	44.5%	3.1%	-1.0%	21.3%	4.3%	-2.0%
ADVANCED INDUSTRIES TOTAL		6,130	0.56	100.0%	1.3%	0.8%	100.0%	-0.9%	5.9%

† 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.