

Charlottesville, VA

Advanced industries employ

7,292

full-time workers. (2015)

These direct jobs supports an additional

5,830

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

\$76,132

dollars per year (2015).

Advanced industries directly account for

6.2%

of all jobs in the region.

This employment share is

#132

among all small metros.

This accounts for

11.2%

of all output in the region (2015).

This compares to average pay of

\$47,632

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

RANK:
#235

2.70%

JOBS

RANK:
#132

2.46%

1.80%

-1.27%

Charlottesville, VA

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.

Charlottesville, VA

Twenty-Five Largest Advanced Industries (2015)

There are 2 advanced industries in Charlottesville, VA 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
5415	Computer Systems Design	1,560	1.02	21.4%	8.2%	16.7%	15.8%	8.6%	9.8%
5417	R&D Services	1,140	2.17	15.7%	0.8%	3.2%	16.0%	-0.3%	5.0%
5416	Management Consulting	1,120	1.10	15.4%	17.7%	-11.6%	13.0%	13.4%	-9.9%
5413	Engineering	740	0.66	10.1%	-9.6%	5.3%	7.9%	-12.7%	6.3%
3345	Precision Instruments	570	1.79	7.8%	-10.4%	-0.5%	7.6%	-10.2%	0.9%
3344	Semiconductors	390	1.34	5.4%	-3.8%	-3.4%	4.8%	-6.7%	-1.7%
2211	Power Generation & Supply	370	1.16	5.0%	-11.5%	-12.6%	14.6%	-12.8%	-18.9%
3391	Medical Equipment & Supplies	210	0.87	2.9%	-1.0%	3.7%	1.5%	-4.3%	0.7%
5112	Software Products	180	0.69	2.5%	4.4%	21.6%	6.1%	23.3%	16.5%
3399	Misc. Manufacturing	150	0.68	2.1%	1.5%	4.9%	0.8%	3.6%	-1.5%
5182	Data Processing & Hosting	130	0.55	1.8%	-0.5%	-5.6%	1.9%	-3.0%	-0.7%
5172	Wireless Telecom Carriers	70	0.69	1.0%	-3.3%	5.1%	2.1%	9.8%	22.8%
5191	Web Search Portals and Internet Publishing	70	0.36	1.0%	8.9%	-0.7%	1.0%	4.6%	1.2%
3332	Industrial Machinery	60	0.67	0.8%	5.6%	6.4%	0.6%	-0.7%	3.1%
3366	Ships & Boats	50	0.44	0.6%	10.1%	21.2%	0.2%	12.6%	23.2%
6215	Medical and Diagnostic Laboratories	40	0.18	0.5%	1.9%	0.0%	0.2%	2.8%	-2.9%
3342	Communications Equipment	40	0.50	0.5%	-8.4%	8.0%	0.2%	-19.8%	-2.8%
5152	Cable and Other Subscription Programming	30	0.67	0.5%	2.1%	0.0%	0.9%	15.6%	-0.5%
3353	Electrical Equipment	30	0.26	0.4%	0.0%	7.4%	0.2%	-6.9%	1.8%
3259	Misc. Chemicals	30	0.41	0.4%	3.8%	19.2%	0.2%	1.3%	8.6%
3315	Foundries	30	0.27	0.4%	0.0%	6.1%	0.1%	4.5%	-19.0%
3333	Commercial & Service Machinery	30	0.37	0.4%	5.0%	8.7%	0.2%	-21.4%	-11.0%
3254	Pharmaceuticals	20	0.10	0.3%	3.8%	10.0%	0.9%	2.3%	14.7%
5179	Other telecommunications	20	0.34	0.3%	-16.8%	7.6%	0.6%	-18.2%	9.6%
3311	Iron & Steel Products	20	0.30	0.3%	-1.7%	5.1%	0.1%	3.5%	-9.6%
IFG	Advanced industries manufacturing	1,800	0.40	24.6%	-4.5%	2.0%	19.4%	-6.9%	1.0%
	Advanced industries energy	390	0.77	5.3%	-11.1%	-11.8%	15.0%	-12.8%	-18.3%
	Advanced industries services	5,110	0.96	70.1%	4.5%	3.0%	65.6%	3.8%	3.6%
ADVANCED INDUSTRIES TOTAL		7,290	0.71	100.0%	0.6%	1.8%	100.0%	-2.9%	-1.3%

† 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.