

Charlottesville, VA

Advanced industries employ

1,390

full-time workers. (2013)

These direct jobs supports an additional

1,110

indirect jobs in other industries in the region.

Advanced industries produce

\$0.4

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

Advanced industries pay, on average

\$90,030

dollars per year (2013).

Advanced industries directly account for

3.9%

of all jobs in the region.

This employment share is

#227

among all small metros.

This accounts for

12.4%

of all output in the region (2013).

This compares to average pay of

\$30,560

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-0.6%

Charlottesville, VA

U.S.

1.3%

Charlottesville, VA

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.

Charlottesville, VA

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	390	3.99	28.4%	3.2%	57.1%	2.9%
5416	Management Consulting	230	0.78	16.7%	-5.6%	9.2%	-5.7%
5417	R&D Services	210	1.34	15.3%	3.0%	9.9%	5.4%
5413	Architecture & Engineering	80	0.25	6.1%	-7.5%	3.2%	-7.2%
6215	Medical and Diagnostic Laboratories	50	0.75	3.3%	0.0%	1.2%	0.9%
3366	Ships & Boats	40	1.31	3.0%	17.3%	0.4%	8.1%
5172	Wireless Telecom Carriers	40	1.04	2.9%	1.7%	2.3%	14.0%
5415	Computer Systems Design	40	0.09	2.9%	-23.1%	1.9%	-21.7%
3339	General Purpose Machinery	20	0.34	1.6%	0.0%	0.6%	-2.8%
3254	Pharmaceuticals	20	0.29	1.4%	12.6%	2.3%	14.1%
3332	Industrial Machinery	20	0.68	1.3%	-6.5%	1.0%	-2.3%
3333	Commercial & Service Machinery	20	0.82	1.3%	-3.5%	0.8%	-20.7%
3361	Motor Vehicles	20	0.38	1.3%	21.6%	1.3%	35.2%
3259	Misc. Chemicals	20	0.77	1.2%	4.6%	0.5%	6.6%
3344	Semiconductors	20	0.17	1.2%	4.6%	0.7%	7.8%
3399	Misc. Manufacturing	20	0.23	1.2%	10.1%	0.4%	11.1%
3391	Medical Equipment & Supplies	10	0.18	1.0%	11.9%	0.4%	8.2%
3279	Stone & Mineral Products	10	0.69	0.9%	-9.1%	0.4%	-1.4%
3252	Resins & Synthetic Rubbers	10	0.43	0.7%	7.7%	0.8%	11.8%
3345	Precision Instruments	10	0.10	0.7%	7.7%	0.4%	8.9%
3363	Motor Vehicle Parts	10	0.08	0.7%	7.7%	0.1%	22.9%
3364	Aircraft Products & Parts	10	0.08	0.7%	7.7%	0.6%	15.1%
5182	Data Processing & Hosting	10	0.15	0.7%	-10.6%	0.5%	-2.3%
3341	Computer Equipment	10	0.20	0.6%	10.1%	0.4%	7.7%
3342	Communications Equipment	10	0.32	0.6%	0.0%	0.2%	-2.6%
Advanced industries manufacturing		310	0.23	22.5%	6.3%	12.8%	5.6%
Advanced industries energy		400	2.49	28.6%	3.0%	57.3%	2.6%
Advanced industries services		680	0.44	48.9%	-5.0%	29.9%	-2.4%
ADVANCED INDUSTRIES TOTAL		1,390	0.45	100.0%	-0.6%	100.0%	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.