

Virginia Beach, VA-NC

Advanced industries employ

149,720

full-time workers. (2013)

These direct jobs supports an additional

119,780

indirect jobs in other industries in the region.

Advanced industries produce

\$23.3

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

Advanced industries pay, on average

\$80,790

dollars per year (2013).

Advanced industries directly account for

9.7%

of all jobs in the region.

This employment share is

#28

among all large metros.

This accounts for

14.9%

of all output in the region (2013).

This compares to average pay of

\$47,130

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

1.6%

2.7%

Virginia Beach, VA-NC

U.S.

OUTPUT

2.9%

3.8%

Virginia Beach, VA-NC

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

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www.brookings.edu/advancedindustries

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DATA NOTES

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

Virginia Beach, VA-NC

Twenty-Five Largest Advanced Industries (2013)

There are 4 advanced industries in Virginia Beach, VA-NC with LQs over 1.5. LQs over 1.5 indicate specialization †

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
3366	Ships & Boats	54,000	38.82	36.1%	4.6%	25.7%	10.8%
5415	Computer Systems Design	22,680	1.23	15.1%	3.8%	17.3%	4.6%
5413	Architecture & Engineering	21,480	1.47	14.3%	-4.8%	12.9%	-5.1%
5417	R&D Services	9,670	1.41	6.5%	2.4%	7.2%	4.2%
5416	Management Consulting	7,340	0.57	4.9%	6.8%	4.8%	6.3%
3339	General Purpose Machinery	5,060	1.82	3.4%	2.2%	2.9%	-1.4%
2211	Power Generation & Supply	3,470	0.81	2.3%	-3.8%	8.3%	-4.1%
5182	Data Processing & Hosting	2,930	1.01	2.0%	-0.4%	2.3%	0.3%
3363	Motor Vehicle Parts	2,380	0.43	1.6%	0.1%	1.3%	16.1%
3259	Misc. Chemicals	2,270	2.51	1.5%	4.5%	2.1%	5.1%
6215	Medical and Diagnostic Laboratories	2,000	0.75	1.3%	0.4%	0.7%	2.9%
3399	Misc. Manufacturing	1,490	0.50	1.0%	1.3%	0.6%	5.4%
5152	Cable and Other Subscription Programming	1,480	1.90	1.0%	-1.1%	1.8%	9.0%
5172	Wireless Telecom Carriers	1,060	0.63	0.7%	-11.5%	1.0%	0.1%
3345	Precision Instruments	980	0.23	0.7%	-1.9%	0.7%	-0.6%
5191	Web Search Portals and Internet Publishing	870	0.41	0.6%	13.4%	0.7%	6.7%
3391	Medical Equipment & Supplies	780	0.23	0.5%	-18.0%	0.4%	-15.3%
3315	Foundries	740	0.54	0.5%	0.2%	0.2%	0.0%
3332	Industrial Machinery	690	0.60	0.5%	-10.1%	0.7%	-10.5%
5112	Software Products	660	0.20	0.4%	-1.6%	0.9%	8.8%
3279	Stone & Mineral Products	660	0.88	0.4%	1.8%	0.3%	1.4%
3359	Misc. Electrical Equipment	630	0.46	0.4%	-1.5%	0.3%	-5.5%
5179	Other telecommunications	600	0.65	0.4%	24.4%	0.7%	19.9%
3331	Agri., Constr., Mining Machinery	580	0.21	0.4%	3.1%	0.4%	3.1%
3336	Engine & Power Equipment	540	0.49	0.4%	2.3%	0.5%	-6.3%
Advanced industries manufacturing		75,430	1.27	50.4%	3.1%	41.4%	5.9%
Advanced industries energy		3,500	0.51	2.3%	-3.8%	8.3%	-4.2%
Advanced industries services		70,790	1.05	47.3%	0.4%	50.3%	1.9%
ADVANCED INDUSTRIES TOTAL		149,720	1.12	100.0%	1.6%	100.0%	2.9%

† 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.