

Virginia Beach, VA-NC

Advanced industries employ

76,307

full-time workers. (2015)

These direct jobs supports an additional

61,050

indirect jobs in other industries in the region.

Advanced industries produce

\$11.6

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

Advanced industries pay, on average

\$86,896

dollars per year (2015).

Advanced industries directly account for

8.9%

of all jobs in the region.

This employment share is

#40

among all large metros.

This accounts for

13.3%

of all output in the region (2015).

This compares to average pay of

\$48,927

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

RANK: **#83**
2.70%

JOBS

RANK: **#90**
2.46%



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.

Virginia Beach, VA-NC

Twenty-Five Largest Advanced Industries (2015)

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 (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
3366	Ships & Boats	26,250	33.65	34.4%	4.6%	-1.6%	24.6%	10.9%	-1.1%
5413	Engineering	11,100	1.36	14.6%	-3.6%	-1.3%	13.2%	-6.7%	-0.9%
5415	Computer Systems Design	11,050	1.00	14.5%	2.8%	-2.2%	17.5%	4.3%	6.7%
5416	Management Consulting	5,600	0.76	7.3%	12.6%	9.7%	6.0%	9.2%	1.7%
5417	R&D Services	4,750	1.24	6.2%	2.2%	-0.9%	6.9%	1.4%	-1.5%
3339	General Purpose Machinery	2,950	1.91	3.9%	0.3%	1.9%	2.7%	-10.4%	-1.5%
5182	Data Processing & Hosting	1,460	0.84	1.9%	-1.9%	0.2%	2.6%	-4.2%	8.2%
3259	Misc. Chemicals	1,310	2.76	1.7%	0.7%	-0.7%	2.3%	-0.9%	-1.6%
6215	Medical and Diagnostic Laboratories	1,070	0.71	1.4%	0.9%	-2.7%	0.7%	2.6%	-2.0%
2211	Power Generation & Supply	1,040	0.45	1.4%	-4.5%	-4.3%	4.9%	-7.3%	-9.4%
3363	Motor Vehicle Parts	870	0.26	1.1%	6.0%	8.2%	0.9%	5.9%	-0.5%
3399	Misc. Manufacturing	850	0.52	1.1%	1.6%	5.8%	0.6%	2.5%	4.6%
5152	Cable and Other Subscription Programming	770	2.13	1.0%	-2.8%	1.6%	2.3%	9.6%	5.9%
3361	Motor Vehicles	590	0.50	0.8%	-0.3%	-0.5%	2.3%	9.6%	-2.1%
3345	Precision Instruments	520	0.23	0.7%	-3.1%	1.6%	0.8%	-1.7%	6.6%
5191	Web Search Portals and Internet Publishing	460	0.32	0.6%	13.8%	2.5%	0.8%	9.4%	7.7%
3391	Medical Equipment & Supplies	410	0.23	0.5%	-15.4%	0.7%	0.3%	-17.0%	-0.3%
3279	Stone & Mineral Products	410	0.94	0.5%	3.7%	3.9%	0.4%	8.9%	-0.9%
5172	Wireless Telecom Carriers	390	0.51	0.5%	-5.3%	-15.2%	1.6%	7.4%	11.9%
5112	Software Products	360	0.19	0.5%	-1.1%	2.6%	1.1%	3.1%	13.1%
3332	Industrial Machinery	350	0.54	0.5%	-1.8%	-3.3%	0.7%	-13.0%	-0.4%
3359	Misc. Electrical Equipment	350	0.46	0.5%	-4.1%	3.8%	0.3%	-12.7%	1.2%
3315	Foundries	330	0.45	0.4%	0.2%	-2.4%	0.1%	4.8%	-22.6%
3336	Engine & Power Equipment	300	0.50	0.4%	-1.8%	-0.8%	0.4%	-12.2%	-8.0%
3353	Electrical Equipment	290	0.35	0.4%	-3.1%	3.8%	0.2%	-7.5%	-0.5%
IFG	Advanced industries manufacturing	37,920	1.17	49.7%	2.9%	-1.0%	41.2%	4.6%	-1.5%
	Advanced industries energy	1,090	0.30	1.4%	-4.3%	-4.9%	5.0%	-7.5%	-9.3%
	Advanced industries services	37,300	0.96	48.9%	1.0%	-0.1%	53.8%	0.4%	3.1%
	ADVANCED INDUSTRIES TOTAL	76,310	1.02	100.0%	1.8%	-0.6%	100.0%	1.5%	0.4%

† 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.