

Blacksburg, VA

Advanced industries employ

11,190

full-time workers. (2015)

These direct jobs supports an additional

8,950

indirect jobs in other industries in
the region.

Advanced industries produce

\$1.7

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

Advanced industries pay, on average

\$72,251

dollars per year (2015).

Advanced industries directly
account for

13.9%

of all jobs in the region.

This employment share is

#12

among all small metros.

This accounts for

21.4%

of all output in the region (2015).

This compares to average pay of

\$37,762

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOB

2.97%

RANK:
#101

2.70%

3.67%

RANK:
#71

2.46%

Blacksburg, VA

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

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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.

Blacksburg, VA

Twenty-Five Largest Advanced Industries (2015)

There are 10 advanced industries in Blacksburg, 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
3363	Motor Vehicle Parts	2,750	8.91	24.5%	5.8%	9.2%	17.7%	9.3%	8.8%
3353	Electrical Equipment	1,880	23.98	16.8%	1.1%	0.8%	10.0%	-5.9%	-0.8%
3259	Misc. Chemicals	1,310	29.37	11.7%	4.1%	2.2%	14.5%	3.1%	2.8%
5415	Computer Systems Design	810	0.78	7.3%	9.1%	6.5%	8.1%	9.3%	11.5%
3366	Ships & Boats	810	11.08	7.3%	4.4%	10.2%	2.7%	12.1%	15.4%
5413	Engineering	660	0.85	5.9%	1.3%	-5.5%	4.4%	-3.2%	-13.9%
5417	R&D Services	440	1.21	3.9%	4.1%	-4.1%	4.8%	1.8%	-0.8%
3399	Misc. Manufacturing	340	2.22	3.1%	5.7%	20.9%	1.6%	5.7%	18.9%
3361	Motor Vehicles	280	2.52	2.5%	6.6%	10.9%	4.4%	17.4%	11.7%
5416	Management Consulting	260	0.38	2.4%	3.9%	5.3%	2.2%	-0.7%	3.6%
3254	Pharmaceuticals	160	1.02	1.4%	4.7%	2.7%	6.6%	3.8%	1.1%
3364	Aircraft Products & Parts	150	0.57	1.4%	3.2%	11.6%	3.1%	11.2%	9.1%
3252	Resins & Synthetic Rubbers	140	2.71	1.2%	2.0%	0.7%	4.4%	3.9%	0.7%
3362	Motor Vehicle Body & Trailers	130	1.57	1.2%	9.9%	10.8%	1.3%	18.5%	25.1%
5182	Data Processing & Hosting	120	0.76	1.1%	0.8%	-4.2%	0.6%	-3.9%	3.8%
3251	Basic Chemicals	110	1.38	1.0%	0.3%	4.3%	2.5%	-0.4%	5.2%
6215	Medical and Diagnostic Laboratories	110	0.79	1.0%	4.3%	156.7%	0.1%	5.9%	26.4%
2211	Power Generation & Supply	100	0.45	0.9%	-6.9%	-8.9%	3.1%	-4.4%	-8.2%
3391	Medical Equipment & Supplies	70	0.43	0.6%	6.3%	15.5%	0.5%	0.5%	21.4%
3339	General Purpose Machinery	70	0.45	0.6%	2.5%	-31.8%	0.3%	-4.6%	-39.9%
5112	Software Products	50	0.30	0.5%	1.2%	-4.3%	1.3%	4.6%	3.0%
3365	Railroad Rolling Stock Manufacturing	50	3.15	0.4%	8.9%	10.7%	1.0%	35.0%	16.4%
3359	Misc. Electrical Equipment	50	0.63	0.4%	2.4%	2.3%	0.3%	-9.5%	1.6%
3315	Foundries	40	0.62	0.4%	6.3%	0.0%	0.1%	10.8%	-20.3%
3369	Misc. Transportation Equipment	40	2.29	0.4%	7.7%	9.5%	0.7%	13.5%	10.5%
IFG	Advanced industries manufacturing	8,570	2.82	76.6%	3.9%	4.5%	73.6%	3.6%	4.1%
	Advanced industries energy	100	0.29	0.9%	-6.6%	-8.3%	3.2%	-4.4%	-7.7%
	Advanced industries services	2,520	0.69	22.5%	4.0%	1.5%	23.2%	2.0%	1.2%
	ADVANCED INDUSTRIES TOTAL	11,190	1.59	100.0%	3.8%	3.7%	100.0%	2.8%	3.0%

† 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.