

Raleigh, NC

Advanced industries employ

73,881

full-time workers. (2015)

These direct jobs supports an additional

59,100

indirect jobs in other industries in the region.

Advanced industries produce

\$15.3

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

Advanced industries pay, on average

\$96,222

dollars per year (2015).

Advanced industries directly account for

12.5%

of all jobs in the region.

This employment share is

#10

among all large metros.

This accounts for

24.8%

of all output in the region (2015).

This compares to average pay of

\$54,744

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOBS

9.03%

RANK:
#2

2.70%

6.99%

RANK:
#6

2.46%

Raleigh, NC

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

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.

Raleigh, NC

Twenty-Five Largest Advanced Industries (2015)

There are 10 advanced industries in Raleigh, 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
5415	Computer Systems Design	15,650	2.05	21.2%	11.1%	2.1%	15.1%	8.8%	11.4%
5413	Engineering	10,240	1.82	13.9%	2.0%	7.0%	7.3%	2.6%	7.4%
5112	Software Products	7,990	5.99	10.8%	10.3%	7.0%	14.4%	11.8%	14.4%
5416	Management Consulting	7,560	1.48	10.2%	9.3%	7.8%	6.3%	6.6%	11.3%
3345	Precision Instruments	6,420	4.01	8.7%	12.2%	26.3%	8.6%	10.2%	7.8%
5417	R&D Services	3,740	1.41	5.1%	2.8%	11.5%	3.4%	4.5%	6.1%
3254	Pharmaceuticals	3,670	3.28	5.0%	0.2%	-3.9%	17.8%	1.8%	2.3%
3341	Computer Equipment	2,490	3.83	3.4%	12.1%	20.6%	2.9%	-3.5%	6.7%
2211	Power Generation & Supply	2,060	1.30	2.8%	-8.9%	57.8%	7.2%	-6.6%	39.4%
5179	Other telecommunications	1,610	4.92	2.2%	-14.6%	-4.9%	2.4%	-11.3%	5.3%
3342	Communications Equipment	1,540	4.34	2.1%	0.5%	34.7%	1.5%	-7.6%	-2.4%
5182	Data Processing & Hosting	1,520	1.27	2.1%	7.8%	8.6%	1.6%	2.6%	12.5%
3353	Electrical Equipment	1,460	2.54	2.0%	5.1%	-11.9%	2.0%	-1.3%	-2.9%
6215	Medical and Diagnostic Laboratories	1,350	1.30	1.8%	8.4%	4.4%	0.7%	4.0%	6.3%
3391	Medical Equipment & Supplies	1,010	0.82	1.4%	-3.3%	-5.4%	1.3%	1.0%	1.4%
3331	Agri., Constr., Mining Machinery	790	0.83	1.1%	2.1%	-2.0%	1.0%	-0.7%	6.3%
5191	Web Search Portals and Internet Publishing	670	0.68	0.9%	17.3%	-5.7%	0.6%	9.9%	-9.7%
3359	Misc. Electrical Equipment	500	0.96	0.7%	-1.9%	5.7%	0.4%	-11.9%	8.4%
5172	Wireless Telecom Carriers	390	0.72	0.5%	-12.3%	0.8%	1.3%	-5.6%	17.2%
3332	Industrial Machinery	370	0.82	0.5%	-1.3%	-3.7%	0.4%	-4.4%	0.9%
3344	Semiconductors	350	0.24	0.5%	-16.5%	10.9%	0.4%	-25.1%	4.8%
3279	Stone & Mineral Products	330	1.11	0.4%	8.1%	8.6%	0.3%	12.5%	12.0%
3399	Misc. Manufacturing	300	0.27	0.4%	14.9%	-1.1%	0.5%	22.8%	0.9%
3363	Motor Vehicle Parts	240	0.10	0.3%	9.4%	-5.5%	0.2%	22.5%	-4.2%
3336	Engine & Power Equipment	200	0.49	0.3%	3.9%	-4.0%	0.4%	5.7%	-2.7%
IFG	Advanced industries manufacturing	21,060	0.94	28.5%	4.4%	8.8%	39.5%	1.8%	3.5%
	Advanced industries energy	2,060	0.82	2.8%	-8.8%	57.5%	7.2%	-6.6%	39.4%
	Advanced industries services	50,760	1.90	68.7%	6.3%	5.1%	53.3%	5.8%	10.6%
	ADVANCED INDUSTRIES TOTAL	73,880	1.43	100.0%	5.5%	7.0%	100.0%	3.3%	9.0%

† 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.