

Raleigh, NC

Advanced industries employ
64,380
full-time workers. (2013)

These direct jobs supports an additional
51,500
indirect jobs in other industries in
the region.

Advanced industries produce
\$13.5
billion dollars in output in the region.
(2013, 2005 Chained)

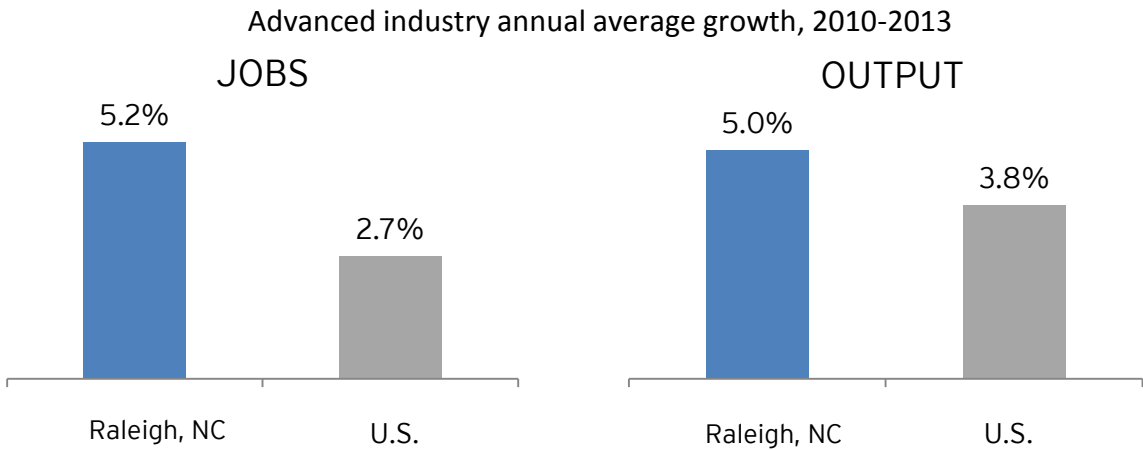
Advanced industries pay, on average
\$93,050
dollars per year (2013).

Advanced industries directly
account for
11.7%
of all jobs in the region.

This employment share is
#13
among all large metros.

This accounts for
23.4%
of all output in the region (2013).

This compares to average pay of
\$51,630
for all industries (2013).



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

Raleigh, NC

Twenty-Five Largest Advanced Industries (2013)

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 (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
5415	Computer Systems Design	14,780	2.24	23.0%	10.7%	16.2%	11.9%
5413	Architecture & Engineering	9,120	1.75	14.2%	2.7%	7.3%	2.7%
5112	Software Products	7,020	6.08	10.9%	10.8%	13.1%	13.6%
5416	Management Consulting	6,640	1.45	10.3%	10.1%	5.8%	8.8%
3254	Pharmaceuticals	4,220	3.95	6.6%	2.4%	23.4%	8.8%
3345	Precision Instruments	4,030	2.65	6.3%	5.8%	7.1%	-1.6%
5417	R&D Services	3,060	1.25	4.8%	3.5%	3.4%	5.5%
3353	Electrical Equipment	1,950	3.52	3.0%	5.5%	2.7%	2.5%
5179	Other telecommunications	1,610	4.90	2.5%	-12.6%	2.2%	-10.5%
5182	Data Processing & Hosting	1,280	1.24	2.0%	7.9%	1.7%	6.7%
6215	Medical and Diagnostic Laboratories	1,120	1.17	1.7%	8.4%	0.8%	2.4%
5172	Wireless Telecom Carriers	1,020	1.71	1.6%	-10.7%	1.3%	-5.0%
3391	Medical Equipment & Supplies	1,000	0.85	1.6%	-4.5%	1.4%	-1.9%
3331	Agri., Constr., Mining Machinery	880	0.91	1.4%	4.2%	1.3%	4.3%
3342	Communications Equipment	850	2.20	1.3%	-5.1%	1.6%	-16.2%
2211	Power Generation & Supply	780	0.51	1.2%	-11.1%	4.0%	-4.7%
5191	Web Search Portals and Internet Publishing	750	0.99	1.2%	15.6%	0.9%	11.3%
3341	Computer Equipment	510	0.83	0.8%	5.8%	0.9%	-11.5%
3399	Misc. Manufacturing	500	0.47	0.8%	13.3%	0.5%	20.4%
3359	Misc. Electrical Equipment	470	0.96	0.7%	-1.7%	0.5%	-6.5%
3332	Industrial Machinery	430	1.04	0.7%	0.8%	0.5%	1.6%
3279	Stone & Mineral Products	300	1.11	0.5%	11.2%	0.3%	14.3%
3344	Semiconductors	280	0.19	0.4%	-18.0%	0.4%	-30.6%
3336	Engine & Power Equipment	230	0.60	0.4%	6.1%	0.5%	11.1%
3333	Commercial & Service Machinery	220	0.66	0.3%	12.5%	0.5%	15.7%
Advanced industries manufacturing		17,110	0.81	26.6%	3.1%	43.4%	3.0%
Advanced industries energy		780	0.32	1.2%	-11.1%	4.0%	-4.7%
Advanced industries services		46,490	1.94	72.2%	6.4%	52.6%	7.8%
ADVANCED INDUSTRIES TOTAL		64,380	1.35	100.0%	5.2%	100.0%	5.0%

† 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.