

Durham, NC

Advanced industries employ

45,510

full-time workers. (2013)

These direct jobs supports an additional

36,410

indirect jobs in other industries in
the region.

Advanced industries produce

\$12.3

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

Advanced industries pay, on average

\$120,290

dollars per year (2013).

Advanced industries directly
account for

15.7%

of all jobs in the region.

This employment share is

#7

among all small metros.

This accounts for

37.4%

of all output in the region (2013).

This compares to average pay of

\$59,570

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

0.7%

-0.4%

Durham, 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

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DATA NOTES

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

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Twenty-Five Largest Advanced Industries (2013)

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
5417	R&D Services	9,770	7.56	21.5%	-0.7%	10.8%	1.2%
3341	Computer Equipment	8,420	26.12	18.5%	-1.9%	17.1%	-12.2%
3254	Pharmaceuticals	6,700	11.90	14.7%	-0.9%	42.3%	5.5%
5415	Computer Systems Design	3,780	1.09	8.3%	3.4%	4.3%	4.9%
3344	Semiconductors	2,430	3.18	5.3%	3.7%	3.8%	-6.4%
3363	Motor Vehicle Parts	2,060	1.98	4.5%	21.4%	2.8%	37.5%
5413	Architecture & Engineering	2,050	0.75	4.5%	0.2%	1.7%	0.5%
5416	Management Consulting	1,920	0.79	4.2%	-2.5%	1.8%	-3.2%
6215	Medical and Diagnostic Laboratories	1,600	3.19	3.5%	55.0%	1.2%	44.1%
3391	Medical Equipment & Supplies	1,150	1.85	2.5%	10.0%	1.7%	12.3%
5112	Software Products	880	1.45	1.9%	21.6%	2.3%	18.8%
3342	Communications Equipment	740	3.61	1.6%	-20.1%	1.5%	-24.6%
2211	Power Generation & Supply	600	0.75	1.3%	-3.0%	3.1%	2.7%
3359	Misc. Electrical Equipment	470	1.83	1.0%	28.8%	0.6%	24.1%
5191	Web Search Portals and Internet Publishing	370	0.91	0.8%	-7.3%	0.5%	-10.7%
3353	Electrical Equipment	330	1.14	0.7%	21.1%	0.6%	19.3%
5179	Other telecommunications	260	1.52	0.6%	3.5%	0.4%	9.1%
5182	Data Processing & Hosting	200	0.37	0.4%	-7.1%	0.3%	-8.2%
3361	Motor Vehicles	190	0.49	0.4%	17.4%	0.4%	50.3%
3251	Basic Chemicals	160	0.53	0.3%	-7.5%	0.4%	-10.5%
3271	Clay Product and Refractory Manufacturing	150	1.94	0.3%	-7.7%	0.1%	-4.1%
3364	Aircraft Products & Parts	150	0.15	0.3%	17.9%	0.4%	8.4%
3399	Misc. Manufacturing	140	0.25	0.3%	8.6%	0.2%	14.2%
3259	Misc. Chemicals	130	0.76	0.3%	-1.3%	0.4%	-1.4%
3339	General Purpose Machinery	130	0.24	0.3%	5.6%	0.2%	8.1%
Advanced industries manufacturing		24,000	2.15	52.7%	-0.6%	73.6%	-1.7%
Advanced industries energy		610	0.47	1.3%	-2.9%	3.2%	2.8%
Advanced industries services		20,910	1.65	45.9%	2.4%	23.3%	3.5%
ADVANCED INDUSTRIES TOTAL		45,510	1.82	100.0%	0.7%	100.0%	-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.