

New York, NY-NJ-PA

Advanced industries employ

630,840

full-time workers. (2013)

These direct jobs supports an additional

504,670

indirect jobs in other industries in
the region.

Advanced industries produce

\$152.6

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

Advanced industries pay, on average

\$114,090

dollars per year (2013).

Advanced industries directly

account for

7.0%

of all jobs in the region.

This employment share is

#70

among all large metros.

This accounts for

11.9%

of all output in the region (2013).

This compares to average pay of

\$69,030

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.3%

2.7%

New York, NY-NJ-PA

U.S.

OUTPUT

2.6%

3.8%

New York, NY-NJ-PA

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

SEE THE INTERACTIVE

www.brookings.edu/advancedindustries

FOLLOW US ON TWITTER

@BrookingsMetro | @MarkMuro1 | #AdvIndustries

DATA NOTES

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

New York, NY-NJ-PA

Twenty-Five Largest Advanced Industries (2013)

There are 4 advanced industries in New York, NY-NJ-PA 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	128,980	1.19	20.4%	6.2%	17.6%	7.6%
5416	Management Consulting	83,480	1.11	13.2%	6.2%	9.4%	5.0%
5413	Architecture & Engineering	74,080	0.86	11.7%	2.5%	7.8%	3.1%
5417	R&D Services	49,960	1.24	7.9%	-1.6%	7.4%	1.7%
3254	Pharmaceuticals	37,830	2.15	6.0%	-2.2%	11.5%	-6.5%
5191	Web Search Portals and Internet Publishing	34,920	2.80	5.5%	7.9%	4.3%	10.0%
6215	Medical and Diagnostic Laboratories	21,320	1.36	3.4%	3.5%	1.4%	4.6%
5182	Data Processing & Hosting	21,100	1.24	3.3%	-1.0%	2.0%	-2.0%
3399	Misc. Manufacturing	18,980	1.09	3.0%	0.1%	1.4%	-2.5%
3344	Semiconductors	17,170	0.72	2.7%	-1.1%	1.5%	2.6%
2211	Power Generation & Supply	16,970	0.68	2.7%	-0.5%	8.6%	0.7%
5152	Cable and Other Subscription Programming	16,770	3.67	2.7%	0.9%	9.9%	8.0%
3391	Medical Equipment & Supplies	14,710	0.76	2.3%	-0.2%	1.5%	-5.7%
3345	Precision Instruments	14,510	0.58	2.3%	-0.8%	1.7%	2.5%
5112	Software Products	6,620	0.35	1.0%	3.2%	3.1%	10.6%
3341	Computer Equipment	6,300	0.63	1.0%	-1.8%	0.8%	-0.9%
3339	General Purpose Machinery	6,250	0.38	1.0%	-1.1%	0.5%	0.2%
5179	Other telecommunications	5,820	1.08	0.9%	2.6%	2.2%	3.0%
3364	Aircraft Products & Parts	5,670	0.18	0.9%	-0.3%	0.6%	0.2%
3251	Basic Chemicals	5,550	0.61	0.9%	-2.5%	1.2%	-5.0%
3342	Communications Equipment	4,570	0.72	0.7%	-4.7%	0.4%	0.4%
3359	Misc. Electrical Equipment	4,370	0.54	0.7%	0.4%	0.3%	-1.8%
5172	Wireless Telecom Carriers	3,930	0.40	0.6%	0.0%	1.2%	2.7%
3332	Industrial Machinery	3,580	0.53	0.6%	2.9%	0.3%	3.4%
3259	Misc. Chemicals	2,860	0.54	0.5%	-2.1%	0.4%	2.1%
Advanced industries manufacturing		165,400	0.48	26.2%	-1.4%	24.7%	-3.8%
Advanced industries energy		17,060	0.42	2.7%	-0.5%	8.6%	0.7%
Advanced industries services		448,390	1.14	71.1%	3.8%	66.7%	5.7%
ADVANCED INDUSTRIES TOTAL		630,840	0.81	100.0%	2.3%	100.0%	2.6%

† 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.