

New York

Advanced industries employ

606,430

full-time workers. (2013)

These direct jobs supports an additional

485,140

indirect jobs in other industries in
the region.

Advanced industries produce

\$142.6

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

Advanced industries pay, on average

\$100,220

dollars per year (2013).

Advanced industries directly
account for

6.7%

of all jobs in the region.

This employment share is

#39

among all states.

This accounts for

11.6%

of all output in the region (2013).

This compares to average pay of

\$62,390

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.1%

2.7%

New York

U.S.

OUTPUT

2.1%

3.8%

New York

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.

New York

Twenty-Five Largest Advanced Industries (2013)

There are 3 advanced industries in New York 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	97,740	0.90	16.1%	6.3%	14.2%	7.0%
5413	Architecture & Engineering	65,360	0.76	10.8%	2.7%	7.8%	2.8%
5416	Management Consulting	63,090	0.83	10.4%	5.8%	7.8%	4.4%
5417	R&D Services	51,270	1.27	8.5%	1.9%	8.3%	4.2%
5191	Web Search Portals and Internet Publishing	33,810	2.70	5.6%	8.1%	4.5%	10.6%
2211	Power Generation & Supply	29,270	1.16	4.8%	-1.5%	11.7%	0.0%
3345	Precision Instruments	21,630	0.86	3.6%	-1.2%	2.1%	2.0%
3344	Semiconductors	20,170	0.84	3.3%	0.9%	2.0%	5.6%
3254	Pharmaceuticals	19,980	1.13	3.3%	-0.3%	6.5%	-8.7%
3399	Misc. Manufacturing	19,120	1.09	3.2%	1.2%	1.4%	-0.9%
5152	Cable and Other Subscription Programming	16,920	3.69	2.8%	1.7%	10.8%	7.7%
3339	General Purpose Machinery	14,820	0.91	2.4%	3.7%	1.4%	7.8%
3391	Medical Equipment & Supplies	14,620	0.75	2.4%	-1.1%	1.4%	-4.0%
6215	Medical and Diagnostic Laboratories	14,490	0.92	2.4%	3.1%	0.9%	3.9%
5182	Data Processing & Hosting	14,400	0.84	2.4%	1.1%	1.7%	-1.4%
3363	Motor Vehicle Parts	10,390	0.32	1.7%	-4.3%	0.9%	0.0%
3341	Computer Equipment	8,730	0.87	1.4%	-6.2%	1.4%	-3.1%
3342	Communications Equipment	7,370	1.16	1.2%	-3.5%	0.8%	0.9%
3333	Commercial & Service Machinery	7,290	1.31	1.2%	-5.0%	0.7%	-2.8%
3336	Engine & Power Equipment	6,220	0.96	1.0%	0.9%	0.7%	4.9%
3364	Aircraft Products & Parts	5,730	0.18	0.9%	-6.6%	1.0%	-3.2%
3359	Misc. Electrical Equipment	5,430	0.68	0.9%	-0.6%	0.4%	-3.7%
5112	Software Products	5,010	0.26	0.8%	6.3%	2.5%	10.2%
3353	Electrical Equipment	4,910	0.54	0.8%	3.1%	0.4%	0.3%
3259	Misc. Chemicals	4,730	0.89	0.8%	-10.8%	1.1%	-18.8%
Advanced industries manufacturing		206,700	0.59	34.1%	-1.1%	26.2%	-4.0%
Advanced industries energy		29,780	0.73	4.9%	-1.5%	11.8%	0.1%
Advanced industries services		369,940	0.94	61.0%	4.4%	62.0%	5.7%
ADVANCED INDUSTRIES TOTAL		606,430	0.77	100.0%	2.1%	100.0%	2.1%

† 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.