

New York

Advanced industries employ

641,173

full-time workers. (2015)

These direct jobs supports an additional

512,940

indirect jobs in other industries in the region.

Advanced industries produce

\$133.9

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

Advanced industries pay, on average

\$108,980

dollars per year (2015).

Advanced industries directly account for

6.8%

of all jobs in the region.

This employment share is

#38

among all states.

This accounts for

10.5%

of all output in the region (2015).

This compares to average pay of

\$66,626

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOBS

RANK:
#23

2.70%

3.05%

RANK:
#13

2.46%

2.62%

New York

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.

New York

Twenty-Five Largest Advanced Industries (2015)

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 (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	107,020	0.88	16.7%	6.3%	4.6%	12.0%	7.3%	5.9%
5416	Management Consulting	71,610	0.88	11.2%	6.3%	5.7%	9.1%	4.2%	7.3%
5413	Engineering	71,210	0.79	11.1%	2.9%	4.1%	8.7%	2.4%	5.4%
5417	R&D Services	53,170	1.26	8.3%	1.9%	1.9%	9.2%	3.7%	5.3%
5191	Web Search Portals and Internet Publishing	43,580	2.81	6.8%	8.4%	13.1%	6.3%	9.3%	16.3%
2211	Power Generation & Supply	30,370	1.20	4.7%	-1.3%	1.4%	10.6%	-2.2%	-3.4%
3345	Precision Instruments	22,240	0.87	3.5%	-1.0%	1.1%	2.5%	6.6%	-1.6%
3254	Pharmaceuticals	19,320	1.09	3.0%	-0.6%	-1.3%	5.8%	-12.2%	-3.5%
3344	Semiconductors	19,170	0.82	3.0%	0.7%	-2.2%	2.3%	10.0%	-2.1%
3399	Misc. Manufacturing	18,840	1.05	2.9%	1.3%	-0.9%	1.4%	-1.0%	-4.3%
5182	Data Processing & Hosting	17,340	0.91	2.7%	1.4%	9.3%	2.4%	-5.4%	20.2%
6215	Medical and Diagnostic Laboratories	15,090	0.91	2.4%	3.2%	2.0%	1.0%	2.1%	0.8%
3339	General Purpose Machinery	14,650	0.86	2.3%	3.7%	-0.6%	1.4%	7.8%	-1.2%
3391	Medical Equipment & Supplies	14,100	0.72	2.2%	-1.0%	-1.9%	1.4%	-3.9%	-3.7%
3363	Motor Vehicle Parts	11,440	0.32	1.8%	-3.2%	3.2%	1.1%	-2.1%	5.1%
5152	Cable and Other Subscription Programming	10,890	2.75	1.7%	1.0%	-0.2%	6.4%	8.9%	-11.3%
3341	Computer Equipment	9,690	0.94	1.5%	-6.3%	2.1%	1.8%	1.4%	0.4%
5112	Software Products	8,240	0.39	1.3%	6.5%	28.0%	4.2%	8.2%	27.6%
3333	Commercial & Service Machinery	6,760	1.19	1.1%	-5.2%	-3.4%	0.7%	-2.6%	-4.2%
3342	Communications Equipment	6,740	1.20	1.1%	-3.7%	-0.2%	0.8%	5.6%	-3.9%
3336	Engine & Power Equipment	6,330	0.97	1.0%	0.8%	1.0%	0.7%	4.8%	-2.7%
3359	Misc. Electrical Equipment	5,900	0.71	0.9%	-0.5%	4.1%	0.5%	-4.2%	8.1%
3364	Aircraft Products & Parts	4,770	0.15	0.7%	-6.9%	-8.4%	0.8%	-3.7%	-2.6%
3353	Electrical Equipment	4,730	0.52	0.7%	3.2%	-2.0%	0.4%	0.3%	1.3%
3332	Industrial Machinery	4,620	0.64	0.7%	-1.4%	-0.2%	0.5%	2.1%	1.2%
IFG	Advanced industries manufacturing	204,050	0.57	31.8%	-1.1%	-0.6%	26.6%	-4.0%	-2.1%
	Advanced industries energy	30,850	0.77	4.8%	-1.2%	1.3%	10.6%	-2.2%	-3.4%
	Advanced industries services	406,270	0.95	63.4%	4.7%	5.2%	62.7%	5.3%	6.1%
	ADVANCED INDUSTRIES TOTAL	641,170	0.78	100.0%	2.2%	3.0%	100.0%	1.3%	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.