

New York, NY-NJ-PA

Advanced industries employ

671,292

full-time workers. (2015)

These direct jobs supports an additional

537,030

indirect jobs in other industries in the region.

Advanced industries produce

\$145.2

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

Advanced industries pay, on average

\$122,533

dollars per year (2015).

Advanced industries directly account for

7.1%

of all jobs in the region.

This employment share is

#70

among all large metros.

This accounts for

10.9%

of all output in the region (2015).

This compares to average pay of

\$73,017

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOBS



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, NY-NJ-PA

Twenty-Five Largest Advanced Industries (2015)

There are 5 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 (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	137,010	1.12	20.4%	6.0%	3.8%	15.9%	8.1%	6.7%
5416	Management Consulting	92,840	1.13	13.8%	6.5%	7.3%	11.1%	4.5%	6.6%
5413	Engineering	79,200	0.88	11.8%	2.4%	3.4%	8.7%	2.7%	4.3%
5417	R&D Services	55,780	1.32	8.3%	-1.9%	-0.3%	8.2%	0.9%	3.3%
5191	Web Search Portals and Internet Publishing	44,650	2.86	6.7%	8.4%	13.6%	5.9%	8.8%	16.1%
3254	Pharmaceuticals	32,860	1.84	4.9%	-0.4%	-1.3%	10.4%	-10.7%	-1.5%
5182	Data Processing & Hosting	25,760	1.35	3.8%	-0.5%	5.1%	2.8%	-7.0%	21.4%
2211	Power Generation & Supply	23,550	0.93	3.5%	0.0%	1.7%	8.4%	-0.8%	-2.7%
6215	Medical and Diagnostic Laboratories	22,720	1.37	3.4%	3.7%	2.8%	1.5%	2.8%	1.7%
3399	Misc. Manufacturing	18,480	1.02	2.8%	0.0%	-0.9%	1.4%	-2.5%	-2.4%
3391	Medical Equipment & Supplies	14,940	0.76	2.2%	-0.6%	2.0%	1.7%	-5.8%	3.0%
3345	Precision Instruments	14,530	0.57	2.2%	-0.1%	-3.0%	1.9%	6.2%	-1.4%
3344	Semiconductors	14,330	0.61	2.1%	-1.1%	-3.7%	1.6%	5.5%	0.7%
5152	Cable and Other Subscription Programming	11,160	2.81	1.7%	0.1%	-2.6%	5.3%	9.5%	-14.0%
5112	Software Products	9,220	0.43	1.4%	2.9%	12.6%	4.5%	8.3%	22.5%
3341	Computer Equipment	6,540	0.63	1.0%	-1.8%	2.5%	1.0%	3.1%	1.6%
5179	Other telecommunications	5,790	1.11	0.9%	3.0%	-1.6%	1.9%	4.0%	2.8%
3339	General Purpose Machinery	5,660	0.33	0.8%	-1.3%	-0.7%	0.5%	-1.3%	-1.9%
3251	Basic Chemicals	5,380	0.56	0.8%	-2.4%	-7.2%	1.0%	-9.0%	-3.2%
3364	Aircraft Products & Parts	5,070	0.16	0.8%	0.8%	-5.3%	0.5%	0.0%	-7.2%
3359	Misc. Electrical Equipment	4,430	0.53	0.7%	0.9%	3.4%	0.4%	-3.2%	4.0%
3342	Communications Equipment	4,050	0.72	0.6%	-4.4%	-6.6%	0.4%	3.6%	-2.7%
5172	Wireless Telecom Carriers	3,650	0.42	0.5%	0.7%	-6.2%	1.3%	6.6%	13.0%
3343	Audio & Video Equipment	3,520	2.73	0.5%	-7.0%	76.4%	0.1%	2.6%	11.7%
3332	Industrial Machinery	3,050	0.42	0.5%	0.2%	-3.6%	0.3%	0.8%	-3.4%
IFG	Advanced industries manufacturing	158,070	0.44	23.5%	-0.9%	-1.0%	24.0%	-5.7%	-1.0%
	Advanced industries energy	23,680	0.59	3.5%	0.0%	1.6%	8.4%	-0.8%	-2.7%
	Advanced industries services	489,550	1.15	72.9%	3.8%	4.5%	67.6%	5.2%	5.6%
	ADVANCED INDUSTRIES TOTAL	671,290	0.81	100.0%	2.4%	3.0%	100.0%	1.3%	3.2%

† 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.