

Ithaca, NY

Advanced industries employ

4,470

full-time workers. (2013)

These direct jobs supports an additional

3,580

indirect jobs in other industries in
the region.

Advanced industries produce

\$0.9

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

Advanced industries pay, on average

\$73,010

dollars per year (2013).

Advanced industries directly
account for

6.3%

of all jobs in the region.

This employment share is

#131

among all small metros.

This accounts for

14.1%

of all output in the region (2013).

This compares to average pay of

\$34,080

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

0.8%

Ithaca, NY

U.S.

OUTPUT

3.8%

2.2%

Ithaca, NY

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
3363	Motor Vehicle Parts	860	3.37	19.1%	8.6%	11.2%	20.9%
3364	Aircraft Products & Parts	540	2.17	12.0%	2.7%	15.2%	2.1%
5415	Computer Systems Design	530	0.63	12.0%	3.3%	12.5%	3.4%
5417	R&D Services	520	1.63	11.6%	0.9%	13.3%	2.7%
3344	Semiconductors	380	2.01	8.4%	6.7%	6.1%	12.1%
5413	Architecture & Engineering	310	0.46	6.9%	-10.7%	5.4%	-11.6%
3345	Precision Instruments	220	1.10	4.8%	-5.5%	3.5%	-1.5%
2211	Power Generation & Supply	190	0.95	4.2%	-5.0%	12.7%	-3.4%
3361	Motor Vehicles	140	1.50	3.1%	5.6%	1.4%	1.1%
3341	Computer Equipment	100	1.22	2.1%	-7.7%	2.4%	-6.7%
3362	Motor Vehicle Body & Trailers	90	1.33	2.0%	6.7%	1.3%	28.2%
3339	General Purpose Machinery	90	0.68	1.9%	-15.3%	1.4%	-13.4%
5416	Management Consulting	80	0.13	1.8%	-4.6%	1.5%	-7.3%
5191	Web Search Portals and Internet Publishing	60	0.58	1.3%	-2.2%	1.2%	0.4%
3342	Communications Equipment	60	1.11	1.2%	0.6%	0.9%	8.0%
3399	Misc. Manufacturing	50	0.37	1.1%	22.1%	0.6%	24.8%
3391	Medical Equipment & Supplies	40	0.23	0.8%	-0.9%	0.6%	-1.7%
5112	Software Products	30	0.21	0.7%	-1.1%	2.5%	4.6%
3336	Engine & Power Equipment	30	0.51	0.6%	-19.6%	0.5%	-18.3%
2111	Oil & Gas Extraction	30	0.25	0.6%	4.4%	0.3%	-11.7%
5152	Cable and Other Subscription Programming	20	0.67	0.5%	22.7%	2.7%	31.9%
3259	Misc. Chemicals	20	0.55	0.5%	-1.4%	0.6%	-5.2%
5182	Data Processing & Hosting	20	0.11	0.3%	-2.1%	0.3%	-2.5%
6215	Medical and Diagnostic Laboratories	20	0.12	0.3%	4.9%	0.2%	5.0%
3333	Commercial & Service Machinery	10	0.28	0.3%	-17.0%	0.1%	-18.7%
Advanced industries manufacturing		2,670	0.98	59.7%	2.6%	46.9%	5.2%
Advanced industries energy		210	0.67	4.7%	-4.1%	13.0%	-3.6%
Advanced industries services		1,590	0.52	35.6%	-1.3%	40.2%	1.1%
ADVANCED INDUSTRIES TOTAL		4,470	0.73	100.0%	0.8%	100.0%	2.2%

† 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.