

Buffalo, NY

Advanced industries employ

43,630

full-time workers. (2013)

These direct jobs supports an additional

34,900

indirect jobs in other industries in the region.

Advanced industries produce

\$8.7

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

Advanced industries pay, on average

\$70,170

dollars per year (2013).

Advanced industries directly account for

7.9%

of all jobs in the region.

This employment share is

#58

among all large metros.

This accounts for

13.2%

of all output in the region (2013).

This compares to average pay of

\$42,250

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

0.5%

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U.S.

-1.7%

Buffalo, 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.

Buffalo, NY

Twenty-Five Largest Advanced Industries (2013)

There are 10 advanced industries in Buffalo, NY 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	4,650	0.70	10.7%	-6.5%	11.1%	-5.7%
5417	R&D Services	4,270	1.72	9.8%	0.0%	11.2%	2.7%
5413	Architecture & Engineering	3,680	0.70	8.4%	2.8%	6.6%	2.3%
3363	Motor Vehicle Parts	2,730	1.37	6.3%	2.4%	4.0%	7.8%
3339	General Purpose Machinery	2,600	2.61	6.0%	5.7%	4.4%	8.6%
3391	Medical Equipment & Supplies	2,440	2.04	5.6%	4.7%	4.0%	1.2%
3251	Basic Chemicals	2,420	4.31	5.5%	1.2%	9.1%	-3.9%
5416	Management Consulting	2,190	0.47	5.0%	2.5%	4.2%	0.3%
3353	Electrical Equipment	1,690	3.02	3.9%	-0.3%	2.0%	-3.4%
3254	Pharmaceuticals	1,630	1.51	3.7%	-0.6%	10.0%	-11.1%
3345	Precision Instruments	1,450	0.95	3.3%	3.9%	2.5%	7.0%
3399	Misc. Manufacturing	1,430	1.33	3.3%	3.1%	1.5%	2.6%
3279	Stone & Mineral Products	1,250	4.61	2.9%	4.0%	1.7%	7.3%
2211	Power Generation & Supply	1,110	0.72	2.6%	-5.2%	9.2%	-2.7%
6215	Medical and Diagnostic Laboratories	950	0.99	2.2%	-1.7%	0.9%	-2.0%
5182	Data Processing & Hosting	860	0.82	2.0%	4.1%	1.5%	2.1%
3364	Aircraft Products & Parts	850	0.44	2.0%	-0.1%	2.3%	-3.0%
3344	Semiconductors	780	0.53	1.8%	-0.6%	1.3%	2.7%
3271	Clay Product and Refractory Manufacturing	760	4.97	1.7%	0.9%	0.8%	-0.7%
3332	Industrial Machinery	750	1.81	1.7%	2.2%	1.0%	2.1%
3331	Agri., Constr., Mining Machinery	540	0.55	1.2%	5.0%	1.0%	9.7%
3241	Petroleum & Coal Products	540	1.22	1.2%	0.0%	1.0%	-18.9%
3342	Communications Equipment	500	1.27	1.1%	5.9%	0.9%	11.9%
5191	Web Search Portals and Internet Publishing	450	0.59	1.0%	2.5%	1.0%	5.3%
3336	Engine & Power Equipment	350	0.87	0.8%	-4.8%	0.7%	-2.4%
Advanced industries manufacturing		25,080	1.18	57.5%	2.0%	51.4%	-2.1%
Advanced industries energy		1,130	0.45	2.6%	-5.5%	9.3%	-2.8%
Advanced industries services		17,410	0.72	39.9%	-1.1%	39.3%	-0.8%
ADVANCED INDUSTRIES TOTAL		43,630	0.91	100.0%	0.5%	100.0%	-1.7%

† 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.