

Allentown, PA-NJ

Advanced industries employ

27,300

full-time workers. (2013)

These direct jobs supports an additional

21,840

indirect jobs in other industries in the region.

Advanced industries produce

\$5.0

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

Advanced industries pay, on average

\$69,790

dollars per year (2013).

Advanced industries directly account for

7.7%

of all jobs in the region.

This employment share is

#60

among all large metros.

This accounts for

14.5%

of all output in the region (2013).

This compares to average pay of

\$46,320

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

0.7%

0.8%

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U.S.

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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)

There are 15 advanced industries in Allentown, PA-NJ 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
5413	Architecture & Engineering	2,540	0.76	9.3%	1.0%	6.9%	1.5%
3399	Misc. Manufacturing	2,130	3.13	7.8%	0.3%	5.2%	2.8%
5415	Computer Systems Design	1,780	0.42	6.5%	1.2%	6.4%	2.2%
3353	Electrical Equipment	1,640	4.61	6.0%	0.2%	3.6%	-0.7%
5416	Management Consulting	1,510	0.51	5.5%	-0.1%	4.6%	-0.5%
3391	Medical Equipment & Supplies	1,300	1.71	4.7%	-4.2%	3.7%	-4.4%
3362	Motor Vehicle Body & Trailers	1,230	3.66	4.5%	23.5%	1.8%	52.9%
3315	Foundries	1,200	3.84	4.4%	-0.5%	3.1%	10.6%
3251	Basic Chemicals	1,190	3.34	4.4%	2.9%	8.1%	2.0%
6215	Medical and Diagnostic Laboratories	1,170	1.92	4.3%	1.4%	1.7%	2.6%
5417	R&D Services	1,160	0.74	4.3%	2.0%	4.3%	3.7%
3339	General Purpose Machinery	1,150	1.82	4.2%	2.1%	2.4%	4.7%
2211	Power Generation & Supply	930	0.95	3.4%	1.2%	10.1%	0.7%
3344	Semiconductors	870	0.94	3.2%	-1.6%	2.4%	-1.3%
5182	Data Processing & Hosting	780	1.17	2.8%	5.5%	2.2%	5.6%
3332	Industrial Machinery	650	2.44	2.4%	1.5%	1.7%	4.5%
3279	Stone & Mineral Products	640	3.68	2.3%	0.2%	1.2%	-3.1%
3369	Misc. Transportation Equipment	590	7.46	2.2%	7.8%	1.4%	8.9%
3259	Misc. Chemicals	590	2.85	2.2%	10.0%	2.9%	7.3%
5172	Wireless Telecom Carriers	520	1.37	1.9%	9.6%	5.4%	9.8%
3364	Aircraft Products & Parts	460	0.37	1.7%	7.8%	2.6%	11.7%
3254	Pharmaceuticals	440	0.65	1.6%	-23.0%	4.8%	-20.5%
5179	Other telecommunications	340	1.63	1.3%	8.5%	5.2%	2.8%
3345	Precision Instruments	290	0.29	1.0%	-2.3%	0.9%	3.2%
3359	Misc. Electrical Equipment	250	0.81	0.9%	-24.3%	0.7%	-25.1%
Advanced industries manufacturing		16,120	1.19	59.1%	0.0%	51.4%	-0.8%
Advanced industries energy		940	0.59	3.4%	1.3%	10.2%	0.8%
Advanced industries services		10,230	0.67	37.5%	1.8%	38.4%	3.1%
ADVANCED INDUSTRIES TOTAL		27,300	0.89	100.0%	0.7%	100.0%	0.8%

† 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.