

Baltimore, MD

Advanced industries employ

124,970

full-time workers. (2013)

These direct jobs supports an additional

99,980

indirect jobs in other industries in
the region.

Advanced industries produce

\$25.3

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

Advanced industries pay, on average

\$99,760

dollars per year (2013).

Advanced industries directly
account for

9.1%

of all jobs in the region.

This employment share is

#38

among all large metros.

This accounts for

16.0%

of all output in the region (2013).

This compares to average pay of

\$56,950

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

1.8%

2.7%

OUTPUT

2.3%

3.8%

Baltimore, MD

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.

Baltimore, MD

Twenty-Five Largest Advanced Industries (2013)

There are 5 advanced industries in Baltimore, MD 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	33,020	2.02	26.4%	6.4%	21.3%	6.8%
5413	Architecture & Engineering	21,330	1.65	17.1%	2.9%	11.0%	3.9%
5416	Management Consulting	15,940	1.40	12.8%	5.8%	9.0%	3.1%
5417	R&D Services	12,840	2.11	10.3%	0.9%	9.1%	4.0%
3345	Precision Instruments	10,190	2.69	8.2%	0.1%	8.4%	3.7%
2211	Power Generation & Supply	5,260	1.39	4.2%	-2.4%	12.2%	-6.0%
5172	Wireless Telecom Carriers	2,700	1.82	2.2%	7.3%	6.4%	23.1%
6215	Medical and Diagnostic Laboratories	2,670	1.13	2.1%	0.3%	0.9%	-6.0%
3254	Pharmaceuticals	2,420	0.91	1.9%	-3.2%	6.5%	-0.1%
3364	Aircraft Products & Parts	2,380	0.50	1.9%	0.6%	2.2%	3.0%
3399	Misc. Manufacturing	1,530	0.58	1.2%	2.0%	0.5%	1.6%
5182	Data Processing & Hosting	1,400	0.54	1.1%	-15.1%	0.9%	-12.1%
3339	General Purpose Machinery	1,250	0.51	1.0%	-2.0%	0.7%	1.9%
3363	Motor Vehicle Parts	1,240	0.25	1.0%	2.7%	0.3%	17.3%
5191	Web Search Portals and Internet Publishing	1,100	0.58	0.9%	17.3%	0.8%	24.9%
3251	Basic Chemicals	970	0.70	0.8%	-8.4%	1.5%	-11.4%
5112	Software Products	960	0.33	0.8%	4.3%	1.6%	13.3%
3391	Medical Equipment & Supplies	860	0.29	0.7%	0.9%	0.3%	-4.7%
3344	Semiconductors	710	0.20	0.6%	-0.3%	0.6%	11.9%
3353	Electrical Equipment	640	0.46	0.5%	11.8%	0.3%	-3.0%
3366	Ships & Boats	470	0.38	0.4%	-7.1%	0.1%	4.1%
3332	Industrial Machinery	440	0.43	0.4%	-6.6%	0.3%	-2.5%
3336	Engine & Power Equipment	430	0.44	0.3%	-5.0%	0.2%	0.4%
3359	Misc. Electrical Equipment	430	0.35	0.3%	-6.8%	0.1%	-13.0%
3342	Communications Equipment	400	0.42	0.3%	-28.0%	0.4%	-20.6%
Advanced industries manufacturing		27,390	0.52	21.9%	-3.7%	25.2%	-1.2%
Advanced industries energy		5,260	0.86	4.2%	-2.4%	12.2%	-5.9%
Advanced industries services		92,310	1.55	73.9%	4.0%	62.6%	6.1%
ADVANCED INDUSTRIES TOTAL		124,970	1.06	100.0%	1.8%	100.0%	2.3%

† 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.