

Ann Arbor, MI

Advanced industries employ

25,523

full-time workers. (2015)

These direct jobs supports an additional

20,420

indirect jobs in other industries in the region.

Advanced industries produce

\$4.2

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

Advanced industries pay, on average

\$82,358

dollars per year (2015).

Advanced industries directly account for

11.8%

of all jobs in the region.

This employment share is

#28

among all small metros.

This accounts for

20.5%

of all output in the region (2015).

This compares to average pay of

\$49,810

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOBS

3.45% RANK: #84

2.70%

3.92%

RANK: #65

2.46%

Ann Arbor, MI

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

VIEW THE FULL REPORT

www.brookings.edu/advancedindustries

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DATA NOTES

All figures reflect Brookings analysis of data from Moody's Analytics.

Ann Arbor, MI

Twenty-Five Largest Advanced Industries (2015)

There are 8 advanced industries in Ann Arbor, MI 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
5413	Engineering	4,180	2.02	16.4%	4.1%	3.5%	10.5%	1.9%	4.7%
3363	Motor Vehicle Parts	3,500	4.23	13.7%	-7.4%	-0.4%	19.8%	-3.1%	-0.9%
5417	R&D Services	3,390	3.50	13.3%	2.5%	3.4%	13.5%	2.4%	8.5%
5415	Computer Systems Design	2,970	1.06	11.6%	12.2%	8.9%	8.2%	13.2%	12.0%
5416	Management Consulting	2,150	1.15	8.4%	5.0%	-1.5%	6.2%	-1.6%	3.1%
5112	Software Products	1,740	3.56	6.8%	4.3%	0.6%	13.4%	4.9%	-1.7%
5191	Web Search Portals and Internet Publishing	1,180	3.32	4.6%	16.6%	5.1%	4.8%	11.3%	12.4%
5182	Data Processing & Hosting	1,080	2.47	4.2%	-3.1%	88.2%	1.9%	-3.0%	101.8%
3391	Medical Equipment & Supplies	930	2.07	3.7%	6.4%	-4.5%	3.2%	0.7%	0.2%
3345	Precision Instruments	560	0.96	2.2%	7.6%	0.5%	1.1%	8.9%	-3.4%
3399	Misc. Manufacturing	520	1.26	2.0%	5.4%	6.5%	1.3%	1.1%	15.1%
3344	Semiconductors	500	0.93	2.0%	15.3%	3.9%	1.3%	19.7%	5.1%
3361	Motor Vehicles	450	1.48	1.7%	-12.0%	-0.2%	3.7%	-6.9%	-1.7%
2211	Power Generation & Supply	400	0.68	1.6%	-5.4%	5.8%	3.9%	-6.4%	-1.3%
3259	Misc. Chemicals	280	2.30	1.1%	0.3%	3.8%	1.1%	-5.3%	-0.4%
3254	Pharmaceuticals	240	0.59	0.9%	6.1%	3.1%	1.1%	4.1%	-1.8%
3339	General Purpose Machinery	220	0.56	0.9%	7.0%	-6.0%	0.5%	10.0%	-5.5%
3333	Commercial & Service Machinery	170	1.33	0.7%	-9.4%	5.3%	0.5%	-9.4%	0.8%
3362	Motor Vehicle Body & Trailers	150	0.68	0.6%	9.0%	0.3%	0.7%	4.9%	6.2%
6215	Medical and Diagnostic Laboratories	140	0.38	0.6%	3.5%	0.0%	0.2%	1.9%	-15.0%
3332	Industrial Machinery	100	0.59	0.4%	-1.1%	3.2%	0.2%	1.7%	1.5%
3352	Household Appliances	90	1.02	0.4%	74.7%	38.4%	0.4%	51.2%	23.4%
5179	Other telecommunications	90	0.74	0.3%	1.2%	-10.9%	0.7%	-3.5%	-10.7%
3251	Basic Chemicals	70	0.31	0.3%	0.0%	4.8%	0.2%	-16.0%	13.3%
3271	Clay Product and Refractory Manufacturing	50	0.93	0.2%	17.0%	6.1%	0.2%	19.8%	-1.0%
IFG	Advanced industries manufacturing	8,150	1.00	31.9%	-1.8%	0.5%	36.6%	-1.4%	0.1%
	Advanced industries energy	400	0.44	1.6%	-5.4%	6.3%	3.9%	-6.4%	-0.5%
	Advanced industries services	16,970	1.74	66.5%	5.6%	5.6%	59.5%	4.0%	6.0%
	ADVANCED INDUSTRIES TOTAL	25,520	1.35	100.0%	2.6%	3.9%	100.0%	1.3%	3.4%

† 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.