

Memphis, TN-MS-AR

Advanced industries employ

35,955

full-time workers. (2015)

These direct jobs supports an additional

28,760

indirect jobs in other industries in the region.

Advanced industries produce

\$5.9

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

Advanced industries pay, on average

\$79,467

dollars per year (2015).

Advanced industries directly account for

5.6%

of all jobs in the region.

This employment share is

#85

among all large metros.

This accounts for

10.0%

of all output in the region (2015).

This compares to average pay of

\$49,468

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOBS

5.58%

RANK:
#15

2.70%

6.35%

RANK:
#8

2.46%

Memphis, TN-MS-AR

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.

Memphis, TN-MS-AR

Twenty-Five Largest Advanced Industries (2015)

There are 7 advanced industries in Memphis, TN-MS-AR 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	6,550	1.07	18.2%	15.6%	14.9%	13.6%	9.7%	12.6%
3391	Medical Equipment & Supplies	6,300	4.73	17.5%	-1.7%	6.7%	15.6%	-4.1%	8.9%
5416	Management Consulting	3,920	0.71	10.9%	1.1%	17.6%	9.5%	-2.6%	9.8%
5415	Computer Systems Design	2,690	0.33	7.5%	1.2%	8.0%	7.2%	3.7%	16.4%
6215	Medical and Diagnostic Laboratories	1,500	1.33	4.2%	3.9%	1.2%	2.3%	2.7%	3.5%
3363	Motor Vehicle Parts	1,370	0.56	3.8%	2.2%	12.4%	2.5%	12.4%	8.2%
3251	Basic Chemicals	1,160	1.79	3.2%	-0.8%	3.4%	5.6%	2.3%	0.8%
3339	General Purpose Machinery	1,150	0.99	3.2%	5.2%	2.3%	2.3%	5.7%	0.9%
3351	Electrical Lighting Equipment	1,130	5.40	3.1%	2.6%	14.4%	2.4%	3.3%	1.7%
3336	Engine & Power Equipment	1,060	2.39	3.0%	1.0%	2.1%	2.0%	5.4%	-0.2%
3252	Resins & Synthetic Rubbers	850	2.09	2.4%	3.0%	3.1%	2.5%	3.5%	-6.4%
5172	Wireless Telecom Carriers	830	1.43	2.3%	3.4%	3.5%	3.8%	7.6%	16.1%
3241	Petroleum & Coal Products	720	1.51	2.0%	1.8%	0.6%	6.8%	4.3%	16.6%
3254	Pharmaceuticals	580	0.48	1.6%	-2.6%	-15.1%	3.4%	7.8%	-12.1%
3399	Misc. Manufacturing	510	0.42	1.4%	-0.5%	-2.8%	0.8%	-2.5%	-1.3%
3259	Misc. Chemicals	420	1.18	1.2%	-3.0%	-3.2%	2.0%	-0.5%	-6.2%
3331	Agri., Constr., Mining Machinery	390	0.38	1.1%	6.7%	0.3%	0.9%	4.2%	-0.7%
5417	R&D Services	390	0.14	1.1%	-5.9%	-11.6%	1.1%	-2.9%	-8.0%
3352	Household Appliances	350	1.30	1.0%	3.8%	-17.2%	0.9%	8.6%	7.1%
5112	Software Products	330	0.22	0.9%	-3.3%	10.5%	2.4%	4.3%	14.8%
3253	Pesticides & Fertilizers	320	1.99	0.9%	-0.5%	13.0%	1.1%	5.5%	5.4%
3279	Stone & Mineral Products	320	0.98	0.9%	3.3%	3.7%	0.5%	12.0%	3.9%
3341	Computer Equipment	300	0.43	0.8%	11.3%	-18.8%	1.1%	-4.2%	-17.1%
3353	Electrical Equipment	270	0.44	0.8%	17.1%	78.9%	0.5%	24.0%	59.3%
5182	Data Processing & Hosting	240	0.18	0.7%	7.8%	-9.7%	0.6%	7.8%	-2.1%
IFG	Advanced industries manufacturing	19,070	0.79	53.0%	1.1%	3.1%	57.0%	3.4%	2.3%
	Advanced industries energy	250	0.09	0.7%	3.1%	1.6%	1.9%	-3.5%	-3.7%
	Advanced industries services	16,640	0.57	46.3%	5.7%	10.6%	41.1%	3.7%	11.3%
	ADVANCED INDUSTRIES TOTAL	35,960	0.64	100.0%	3.0%	6.3%	100.0%	3.3%	5.6%

† 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.