

Ames, IA

Advanced industries employ

3,914

full-time workers. (2015)

These direct jobs supports an additional

3,130

indirect jobs in other industries in
the region.

Advanced industries produce

\$0.7

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

Advanced industries pay, on average

\$58,764

dollars per year (2015).

Advanced industries directly
account for

7.2%

of all jobs in the region.

This employment share is

#99

among all small metros.

This accounts for

13.5%

of all output in the region (2015).

This compares to average pay of

\$40,151

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

RANK:
#118

2.70%

2.68%

Ames, IA

U.S.

JOBS

RANK:
#219

2.46%

-0.88%

Ames, IA

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

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.

Ames, IA

Twenty-Five Largest Advanced Industries (2015)

There are 9 advanced industries in Ames, IA 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
5415	Computer Systems Design	820	1.17	21.0%	21.3%	1.8%	13.1%	22.7%	6.7%
3331	Agri., Constr., Mining Machinery	560	6.36	14.2%	9.7%	-7.3%	23.6%	16.6%	8.9%
5417	R&D Services	490	2.00	12.4%	1.9%	13.4%	8.2%	0.6%	3.6%
5413	Engineering	340	0.65	8.6%	7.4%	12.2%	4.7%	8.0%	6.7%
3336	Engine & Power Equipment	260	6.75	6.5%	0.3%	54.4%	3.3%	1.4%	0.9%
3251	Basic Chemicals	190	3.40	4.8%	9.2%	22.3%	12.6%	7.5%	4.8%
3333	Commercial & Service Machinery	130	3.90	3.3%	-4.5%	54.0%	1.2%	-8.1%	3.6%
3339	General Purpose Machinery	130	1.27	3.2%	-0.6%	55.0%	1.4%	5.8%	16.7%
5182	Data Processing & Hosting	120	1.09	3.1%	85.0%	77.7%	2.4%	83.2%	102.0%
5112	Software Products	120	0.96	3.0%	5.6%	5.5%	4.6%	6.7%	-0.4%
5416	Management Consulting	120	0.25	3.0%	-4.0%	0.9%	2.3%	-2.7%	9.1%
3332	Industrial Machinery	90	2.26	2.4%	-7.8%	-8.8%	3.4%	-1.6%	13.8%
3363	Motor Vehicle Parts	90	0.45	2.4%	9.8%	-53.9%	1.4%	9.9%	-50.8%
3362	Motor Vehicle Body & Trailers	90	1.59	2.2%	9.8%	-53.9%	1.7%	15.0%	-45.2%
3253	Pesticides & Fertilizers	80	5.60	2.0%	4.0%	10.6%	4.3%	-5.9%	26.3%
3399	Misc. Manufacturing	50	0.52	1.4%	-3.5%	24.2%	1.1%	6.1%	26.5%
3259	Misc. Chemicals	50	1.73	1.3%	3.4%	11.3%	2.1%	-3.4%	5.4%
3252	Resins & Synthetic Rubbers	40	1.21	1.1%	5.4%	11.1%	2.9%	6.4%	8.5%
3254	Pharmaceuticals	20	0.21	0.6%	-15.7%	21.1%	2.1%	-14.2%	10.2%
5172	Wireless Telecom Carriers	20	0.38	0.5%	7.7%	-12.8%	0.7%	12.6%	5.7%
3391	Medical Equipment & Supplies	20	0.16	0.5%	-4.4%	60.4%	0.5%	5.4%	26.5%
2211	Power Generation & Supply	20	0.11	0.4%	0.0%	3.3%	0.9%	4.6%	-1.0%
3352	Household Appliances	20	0.66	0.4%	-10.6%	22.5%	0.2%	-19.0%	12.9%
3313	Aluminum Products	10	0.55	0.3%	0.0%	22.5%	0.1%	12.7%	17.0%
5179	Other telecommunications	10	0.37	0.3%	#DIV/0!	#DIV/0!	0.0%	-24.1%	-29.0%
IFG	Advanced industries manufacturing	1,870	0.91	47.7%	5.7%	-8.8%	63.0%	7.2%	0.2%
	Advanced industries energy	20	0.07	0.4%	0.0%	3.3%	0.9%	4.6%	-1.0%
	Advanced industries services	2,030	0.83	51.9%	10.8%	8.5%	36.1%	9.8%	7.7%
	ADVANCED INDUSTRIES TOTAL	3,910	0.82	100.0%	7.8%	-0.9%	100.0%	8.0%	2.7%

† 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.