

Sioux City, IA-NE-SD

Advanced industries employ

3,580

full-time workers. (2013)

These direct jobs supports an additional

2,860

indirect jobs in other industries in the region.

Advanced industries produce

\$0.7

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

Advanced industries pay, on average

\$58,610

dollars per year (2013).

Advanced industries directly account for

3.9%

of all jobs in the region.

This employment share is

#226

among all small metros.

This accounts for

8.5%

of all output in the region (2013).

This compares to average pay of

\$36,810

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

4.2%

2.7%

Sioux City, IA-NE-SD

U.S.

OUTPUT

7.0%

3.8%

Sioux City, IA-NE-SD

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

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www.brookings.edu/advancedindustries

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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)

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
2211	Power Generation & Supply	450	1.76	12.5%	-0.5%	26.9%	3.6%
5413	Architecture & Engineering	270	0.31	7.4%	0.9%	4.1%	2.3%
3363	Motor Vehicle Parts	260	0.78	7.1%	3.2%	4.0%	15.4%
3331	Agri., Constr., Mining Machinery	220	1.35	6.1%	12.8%	5.2%	12.1%
3362	Motor Vehicle Body & Trailers	210	2.38	5.8%	2.0%	3.5%	16.8%
3253	Pesticides & Fertilizers	200	8.27	5.6%	9.8%	10.6%	7.8%
3345	Precision Instruments	180	0.72	5.1%	-1.9%	2.1%	-7.6%
5416	Management Consulting	180	0.23	4.9%	12.1%	2.9%	11.3%
3344	Semiconductors	150	0.63	4.3%	6.7%	1.8%	11.6%
5415	Computer Systems Design	130	0.12	3.6%	17.6%	2.5%	20.1%
3333	Commercial & Service Machinery	130	2.29	3.6%	3.3%	3.2%	4.6%
3342	Communications Equipment	110	1.66	3.0%	11.1%	1.6%	8.9%
3341	Computer Equipment	110	1.03	2.9%	20.5%	0.5%	9.3%
3313	Aluminum Products	100	2.69	2.8%	0.7%	1.1%	11.8%
3251	Basic Chemicals	100	1.03	2.7%	7.7%	7.3%	13.9%
3339	General Purpose Machinery	80	0.47	2.2%	2.7%	1.1%	-3.6%
3391	Medical Equipment & Supplies	60	0.30	1.6%	3.0%	1.9%	6.8%
3315	Foundries	60	0.69	1.6%	0.6%	0.8%	10.2%
3399	Misc. Manufacturing	60	0.32	1.6%	3.8%	0.8%	4.1%
3254	Pharmaceuticals	50	0.26	1.3%	10.3%	5.9%	18.4%
3361	Motor Vehicles	40	0.33	1.1%	8.9%	0.9%	32.2%
5112	Software Products	40	0.18	1.0%	-11.2%	1.3%	-7.2%
5172	Wireless Telecom Carriers	30	0.34	0.9%	-6.8%	0.7%	-0.2%
3352	Household Appliances	30	0.80	0.8%	4.9%	0.3%	-10.5%
3364	Aircraft Products & Parts	30	0.09	0.8%	1.1%	0.6%	-5.6%
Advanced industries manufacturing		2,390	0.68	66.7%	5.4%	59.1%	9.0%
Advanced industries energy		450	1.10	12.6%	-0.6%	27.1%	3.7%
Advanced industries services		740	0.19	20.7%	3.8%	13.8%	5.4%
ADVANCED INDUSTRIES TOTAL		3,580	0.45	100.0%	4.2%	100.0%	7.0%

† 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.