

## Sioux Falls, SD

Advanced industries employ

**7,600**

full-time workers. (2013)

These direct jobs supports an additional

**6,080**

indirect jobs in other industries in the region.

Advanced industries produce

**\$1.0**

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

Advanced industries pay, on average

**\$55,090**

dollars per year (2013).

Advanced industries directly account for

**5.1%**

of all jobs in the region.

This employment share is

**#178**

among all small metros.

This accounts for

**6.6%**

of all output in the region (2013).

This compares to average pay of

**\$41,260**

for all industries (2013).

Advanced industry annual average growth, 2010-2013

**JOBS**

4.3%

2.7%

Sioux Falls, SD

U.S.

**OUTPUT**

6.1%

3.8%

Sioux Falls, 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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### 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
5415	Computer Systems Design	1,190	0.67	15.6%	11.2%	13.9%	9.3%
5413	Architecture & Engineering	1,170	0.83	15.3%	1.1%	10.6%	0.1%
3399	Misc. Manufacturing	650	2.25	8.5%	4.0%	10.3%	7.6%
5416	Management Consulting	500	0.40	6.5%	22.6%	5.0%	15.0%
3362	Motor Vehicle Body & Trailers	460	3.22	6.0%	2.3%	4.3%	23.3%
3331	Agri., Constr., Mining Machinery	430	1.66	5.7%	2.6%	6.2%	10.1%
3344	Semiconductors	430	1.10	5.7%	6.2%	3.8%	11.6%
3345	Precision Instruments	400	0.96	5.2%	1.6%	1.7%	-13.5%
3339	General Purpose Machinery	240	0.90	3.2%	5.4%	2.6%	9.3%
5417	R&D Services	220	0.33	2.9%	5.4%	2.7%	20.6%
5179	Other telecommunications	200	2.27	2.6%	-1.8%	6.0%	1.6%
2211	Power Generation & Supply	180	0.44	2.4%	0.7%	7.3%	3.5%
3363	Motor Vehicle Parts	180	0.34	2.4%	-1.3%	1.8%	19.6%
6215	Medical and Diagnostic Laboratories	140	0.54	1.8%	-6.3%	1.1%	-6.0%
3361	Motor Vehicles	120	0.62	1.6%	2.9%	2.1%	24.7%
3315	Foundries	100	0.79	1.4%	7.4%	0.7%	18.7%
5152	Cable and Other Subscription Programming	100	1.26	1.3%	0.4%	2.1%	4.6%
5172	Wireless Telecom Carriers	100	0.59	1.3%	0.0%	2.0%	2.9%
3313	Aluminum Products	90	1.49	1.2%	7.5%	0.8%	22.9%
3259	Misc. Chemicals	70	0.84	1.0%	1.4%	1.4%	6.3%
3251	Basic Chemicals	70	0.47	0.9%	-7.9%	3.5%	-1.7%
3336	Engine & Power Equipment	70	0.63	0.9%	4.3%	0.7%	3.0%
3342	Communications Equipment	70	0.62	0.9%	9.1%	0.7%	7.6%
3364	Aircraft Products & Parts	50	0.10	0.7%	8.7%	0.8%	-7.3%
3391	Medical Equipment & Supplies	50	0.17	0.7%	-8.3%	1.6%	-10.4%
Advanced industries manufacturing		3,710	0.65	48.8%	2.8%	47.1%	6.5%
Advanced industries energy		180	0.28	2.4%	0.7%	7.5%	3.7%
Advanced industries services		3,710	0.57	48.8%	6.1%	45.4%	6.1%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>7,600</b>	<b>0.59</b>	<b>100.0%</b>	<b>4.3%</b>	<b>100.0%</b>	<b>6.1%</b>

† 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.