

South Dakota

Advanced industries employ

26,240

full-time workers. (2013)

These direct jobs supports an additional

20,990

indirect jobs in other industries in the region.

Advanced industries produce

\$3.9

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

Advanced industries pay, on average

\$51,110

dollars per year (2013).

Advanced industries directly account for

5.7%

of all jobs in the region.

This employment share is

#45

among all states.

This accounts for

9.6%

of all output in the region (2013).

This compares to average pay of

\$35,240

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

3.4%

2.7%

South Dakota

U.S.

OUTPUT

5.5%

3.8%

South Dakota

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.

South Dakota

Twenty-Five Largest Advanced Industries (2013)

There are 7 advanced industries in South Dakota with LQs over 1.5. LQs over 1.5 indicate specialization †

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
3399	Misc. Manufacturing	3,120	3.52	11.9%	0.5%	12.5%	3.6%
5413	Architecture & Engineering	2,590	0.59	9.9%	3.3%	6.1%	2.8%
3331	Agri., Constr., Mining Machinery	2,490	3.09	9.5%	10.2%	7.3%	12.4%
5415	Computer Systems Design	1,800	0.33	6.9%	7.3%	5.2%	7.4%
2211	Power Generation & Supply	1,670	1.31	6.4%	-2.6%	15.7%	2.0%
3391	Medical Equipment & Supplies	1,570	1.59	6.0%	-1.3%	8.2%	1.0%
3339	General Purpose Machinery	1,490	1.80	5.7%	4.4%	4.1%	7.0%
3344	Semiconductors	1,380	1.14	5.3%	8.0%	2.5%	10.4%
3362	Motor Vehicle Body & Trailers	1,370	3.12	5.2%	10.3%	3.1%	25.4%
5416	Management Consulting	1,290	0.34	4.9%	8.4%	3.2%	6.4%
3336	Engine & Power Equipment	780	2.36	3.0%	-1.3%	2.5%	1.2%
3363	Motor Vehicle Parts	620	0.38	2.4%	7.3%	1.7%	25.0%
3251	Basic Chemicals	600	1.29	2.3%	-0.1%	6.3%	8.0%
3361	Motor Vehicles	590	0.98	2.2%	6.9%	2.5%	25.9%
5417	R&D Services	560	0.27	2.1%	12.7%	1.8%	14.6%
3342	Communications Equipment	540	1.66	2.0%	1.7%	1.1%	4.1%
3345	Precision Instruments	310	0.25	1.2%	-15.3%	0.6%	-14.6%
6215	Medical and Diagnostic Laboratories	310	0.39	1.2%	-3.6%	0.7%	-2.3%
5152	Cable and Other Subscription Programming	250	1.06	0.9%	0.0%	1.3%	4.5%
5179	Other telecommunications	240	0.86	0.9%	-1.8%	1.6%	0.4%
5172	Wireless Telecom Carriers	230	0.46	0.9%	-1.4%	1.4%	3.9%
3315	Foundries	230	0.56	0.9%	9.2%	0.4%	15.0%
5112	Software Products	220	0.23	0.9%	0.5%	1.1%	1.4%
3313	Aluminum Products	220	1.17	0.8%	13.0%	0.5%	19.1%
3259	Misc. Chemicals	210	0.79	0.8%	0.2%	1.6%	7.4%
Advanced industries manufacturing		16,740	0.95	63.8%	3.5%	59.6%	6.6%
Advanced industries energy		1,880	0.91	7.2%	-2.3%	17.4%	2.3%
Advanced industries services		7,620	0.38	29.0%	4.8%	23.0%	5.1%
ADVANCED INDUSTRIES TOTAL		26,240	0.66	100.0%	3.4%	100.0%	5.5%

† 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.