

Montana

Advanced industries employ

25,321

full-time workers. (2015)

These direct jobs supports an additional

20,260

indirect jobs in other industries in the region.

Advanced industries produce

\$4.7

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

Advanced industries pay, on average

\$70,802

dollars per year (2015).

Advanced industries directly account for

5.1%

of all jobs in the region.

This employment share is

#49

among all states.

This accounts for

11.4%

of all output in the region (2015).

This compares to average pay of

\$38,608

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOB

RANK:
#37

RANK:
#31

1.29%

2.70%

2.46%

1.41%

Montana

U.S.

Montana

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

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DATA NOTES

All figures reflect Brookings analysis of data from Moody's Analytics.

Montana

Twenty-Five Largest Advanced Industries (2015)

There are 5 advanced industries in Montana 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	4,690	0.98	18.5%	2.4%	3.2%	9.3%	1.8%	3.0%
5415	Computer Systems Design	3,820	0.59	15.1%	2.8%	5.5%	8.0%	5.8%	9.7%
2211	Power Generation & Supply	2,480	1.84	9.8%	0.5%	-1.4%	16.4%	-1.1%	-4.7%
5416	Management Consulting	2,320	0.53	9.2%	4.4%	2.9%	4.8%	2.2%	3.2%
2122	Metal Ore Mining	2,110	15.28	8.3%	5.5%	-8.4%	12.2%	0.9%	-13.2%
3399	Misc. Manufacturing	1,390	1.46	5.5%	2.2%	3.2%	1.6%	-0.7%	3.7%
3241	Petroleum & Coal Products	1,230	3.29	4.8%	-0.4%	6.7%	23.8%	13.8%	11.7%
5417	R&D Services	1,050	0.47	4.2%	1.2%	-0.5%	2.9%	2.9%	1.0%
2111	Oil & Gas Extraction	810	1.23	3.2%	5.4%	3.9%	8.6%	5.0%	4.9%
3332	Industrial Machinery	570	1.48	2.2%	-1.4%	-2.2%	0.9%	-15.5%	-6.4%
3391	Medical Equipment & Supplies	510	0.49	2.0%	5.2%	5.0%	0.8%	1.5%	7.3%
5182	Data Processing & Hosting	460	0.45	1.8%	-6.6%	0.6%	1.2%	-19.3%	11.8%
3279	Stone & Mineral Products	450	1.78	1.8%	10.7%	-4.8%	0.8%	21.3%	-9.8%
3254	Pharmaceuticals	370	0.39	1.5%	13.1%	3.3%	1.5%	2.2%	4.8%
3345	Precision Instruments	240	0.18	1.0%	26.9%	10.9%	0.5%	26.2%	10.2%
3362	Motor Vehicle Body & Trailers	240	0.46	0.9%	-8.3%	23.4%	0.2%	-14.1%	19.3%
3251	Basic Chemicals	230	0.44	0.9%	0.5%	5.5%	0.7%	-9.8%	4.7%
3344	Semiconductors	210	0.17	0.8%	-5.3%	-1.9%	0.4%	-4.2%	0.1%
3331	Agri., Constr., Mining Machinery	190	0.24	0.7%	1.6%	10.8%	0.3%	-12.9%	5.2%
3364	Aircraft Products & Parts	180	0.11	0.7%	58.2%	-0.5%	0.3%	55.2%	-3.5%
5112	Software Products	180	0.16	0.7%	-12.5%	8.5%	0.9%	-8.8%	11.6%
6215	Medical and Diagnostic Laboratories	170	0.19	0.7%	1.0%	-8.1%	0.3%	0.6%	-7.3%
3253	Pesticides & Fertilizers	140	1.07	0.5%	1.2%	8.3%	0.4%	-10.3%	10.4%
3315	Foundries	110	0.25	0.4%	15.3%	6.1%	0.3%	39.6%	1.5%
3342	Communications Equipment	100	0.33	0.4%	8.7%	-2.4%	0.2%	10.1%	-2.5%
IFG	Advanced industries manufacturing	6,860	0.36	27.1%	3.0%	3.5%	33.8%	8.0%	8.2%
	Advanced industries energy	5,400	2.52	21.3%	3.2%	-3.6%	37.2%	0.7%	-5.9%
	Advanced industries services	13,070	0.58	51.6%	1.6%	2.6%	29.0%	0.6%	4.5%
	ADVANCED INDUSTRIES TOTAL	25,320	0.58	100.0%	2.4%	1.4%	100.0%	2.6%	1.3%

† 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.