

## Montana

Advanced industries employ

**24,560**

full-time workers. (2013)

These direct jobs supports an additional

**19,650**

indirect jobs in other industries in the region.

Advanced industries produce

**\$4.7**

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

Advanced industries pay, on average

**\$66,250**

dollars per year (2013).

Advanced industries directly account for

**5.0%**

of all jobs in the region.

This employment share is

**#50**

among all states.

This accounts for

**11.8%**

of all output in the region (2013).

This compares to average pay of

**\$36,110**

for all industries (2013).

Advanced industry annual average growth, 2010-2013

**JOBS**

2.7%

2.5%

**OUTPUT**

3.8%

3.5%

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

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#### DATA NOTES

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

# Montana

## Twenty-Five Largest Advanced Industries (2013)

There are 6 advanced industries in Montana 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
5413	Architecture & Engineering	4,400	0.95	17.9%	2.4%	8.4%	2.5%
5415	Computer Systems Design	3,430	0.59	14.0%	2.8%	8.0%	3.6%
2122	Metal Ore Mining	2,520	16.57	10.3%	5.6%	17.6%	4.0%
2211	Power Generation & Supply	2,450	1.81	10.0%	0.2%	18.0%	-0.8%
5416	Management Consulting	2,190	0.54	8.9%	4.4%	4.4%	3.2%
3399	Misc. Manufacturing	1,300	1.38	5.3%	2.0%	1.6%	0.7%
3241	Petroleum & Coal Products	1,070	2.77	4.4%	-0.6%	18.1%	12.4%
5417	R&D Services	1,060	0.49	4.3%	1.2%	2.8%	3.5%
2111	Oil & Gas Extraction	760	1.11	3.1%	5.7%	7.5%	3.7%
3332	Industrial Machinery	590	1.61	2.4%	-1.6%	1.5%	-4.0%
3279	Stone & Mineral Products	490	2.06	2.0%	10.4%	1.1%	21.3%
3391	Medical Equipment & Supplies	460	0.44	1.9%	4.9%	0.8%	4.6%
5182	Data Processing & Hosting	460	0.50	1.9%	-6.2%	1.0%	-19.8%
3254	Pharmaceuticals	340	0.36	1.4%	12.7%	1.1%	-0.6%
5179	Other telecommunications	290	1.01	1.2%	-3.3%	0.9%	-2.4%
3344	Semiconductors	220	0.17	0.9%	-5.6%	0.5%	4.4%
3251	Basic Chemicals	200	0.41	0.8%	0.5%	0.6%	-10.5%
6215	Medical and Diagnostic Laboratories	200	0.24	0.8%	0.9%	0.4%	2.6%
3345	Precision Instruments	190	0.14	0.8%	26.4%	0.5%	35.9%
3364	Aircraft Products & Parts	190	0.11	0.8%	57.9%	0.6%	28.4%
3331	Agri., Constr., Mining Machinery	150	0.18	0.6%	1.6%	0.4%	-0.3%
3362	Motor Vehicle Body & Trailers	150	0.33	0.6%	-8.7%	0.2%	3.4%
5191	Web Search Portals and Internet Publishing	150	0.23	0.6%	17.2%	0.3%	28.7%
3339	General Purpose Machinery	120	0.13	0.5%	21.0%	0.2%	15.7%
3253	Pesticides & Fertilizers	120	0.89	0.5%	0.9%	0.3%	-12.5%
Advanced industries manufacturing		6,350	0.34	25.9%	2.8%	28.9%	8.6%
Advanced industries energy		5,730	2.62	23.3%	3.1%	43.1%	1.8%
Advanced industries services		12,480	0.59	50.8%	2.1%	28.0%	1.5%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>24,560</b>	<b>0.58</b>	<b>100.0%</b>	<b>2.5%</b>	<b>100.0%</b>	<b>3.5%</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.