

## Cheyenne, WY

Advanced industries employ

**2,440**

full-time workers. (2013)

These direct jobs supports an additional

**1,950**

indirect jobs in other industries in the region.

Advanced industries produce

**\$0.9**

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

Advanced industries pay, on average

**\$79,170**

dollars per year (2013).

Advanced industries directly account for

**4.8%**

of all jobs in the region.

This employment share is

**#191**

among all small metros.

This accounts for

**18.1%**

of all output in the region (2013).

This compares to average pay of

**\$45,120**

for all industries (2013).

Advanced industry annual average growth, 2010-2013

**JOBS**

2.7%

**OUTPUT**

5.3%

3.8%

-0.2%

Cheyenne, WY

U.S.

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### 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
3241	Petroleum & Coal Products	530	13.20	21.7%	-2.0%	64.9%	4.9%
5179	Other telecommunications	320	10.43	12.9%	1.5%	4.6%	5.8%
5416	Management Consulting	280	0.65	11.3%	5.8%	3.1%	6.3%
5413	Architecture & Engineering	240	0.49	9.7%	-8.3%	2.5%	-8.5%
5415	Computer Systems Design	130	0.21	5.2%	-4.8%	1.7%	-2.9%
5182	Data Processing & Hosting	120	1.30	5.1%	0.3%	1.0%	1.7%
2211	Power Generation & Supply	110	0.80	4.6%	2.5%	2.5%	-6.0%
5417	R&D Services	100	0.46	4.3%	38.7%	1.6%	49.2%
6215	Medical and Diagnostic Laboratories	100	1.09	3.9%	-4.4%	1.0%	-6.4%
5174	Satellite Telecommunications	80	25.28	3.4%	1.7%	1.5%	19.4%
3251	Basic Chemicals	60	1.07	2.3%	-2.9%	1.3%	-5.8%
2111	Oil & Gas Extraction	50	0.69	2.0%	51.8%	5.9%	46.8%
3353	Electrical Equipment	50	0.96	2.0%	-3.8%	1.3%	-4.1%
5152	Cable and Other Subscription Programming	50	1.76	1.8%	0.8%	0.6%	5.3%
5172	Wireless Telecom Carriers	30	0.60	1.4%	1.0%	0.7%	55.6%
3359	Misc. Electrical Equipment	20	0.53	1.0%	0.0%	0.4%	-3.0%
3253	Pesticides & Fertilizers	20	1.72	0.9%	-2.7%	1.2%	-9.1%
3315	Foundries	20	0.49	0.9%	-1.5%	0.2%	12.7%
3344	Semiconductors	20	0.16	0.9%	-5.4%	0.5%	5.6%
3345	Precision Instruments	20	0.13	0.7%	-14.7%	0.6%	-2.3%
3341	Computer Equipment	10	0.18	0.4%	-12.6%	0.4%	0.4%
5112	Software Products	10	0.09	0.4%	12.6%	0.3%	52.8%
5191	Web Search Portals and Internet Publishing	10	0.14	0.4%	-8.4%	0.2%	-2.0%
3254	Pharmaceuticals	10	0.09	0.4%	0.0%	0.8%	-2.8%
3351	Electrical Lighting Equipment	10	0.53	0.4%	0.0%	0.1%	-1.8%
Advanced industries manufacturing		820	0.42	33.7%	-3.1%	72.8%	4.0%
Advanced industries energy		160	0.71	6.6%	10.8%	8.5%	19.7%
Advanced industries services		1,460	0.66	59.7%	0.6%	18.7%	5.3%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>2,440</b>	<b>0.56</b>	<b>100.0%</b>	<b>-0.2%</b>	<b>100.0%</b>	<b>5.3%</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.