

Fort Collins, CO

Advanced industries employ

14,330

full-time workers. (2013)

These direct jobs supports an additional

11,460

indirect jobs in other industries in
the region.

Advanced industries produce

\$2.9

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

Advanced industries pay, on average

\$86,710

dollars per year (2013).

Advanced industries directly
account for

9.7%

of all jobs in the region.

This employment share is

#54

among all small metros.

This accounts for

19.6%

of all output in the region (2013).

This compares to average pay of

\$43,610

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

1.0%

2.7%

OUTPUT

2.6%

3.8%

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U.S.

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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
5413	Architecture & Engineering	2,020	1.44	14.1%	-0.1%	9.1%	0.0%
5415	Computer Systems Design	2,020	1.14	14.1%	5.9%	11.7%	6.6%
3345	Precision Instruments	1,790	4.38	12.5%	1.4%	10.6%	1.9%
5417	R&D Services	1,630	2.47	11.3%	-1.8%	9.9%	-0.8%
3341	Computer Equipment	1,070	6.54	7.5%	-1.3%	12.5%	0.8%
5416	Management Consulting	760	0.62	5.3%	4.2%	3.6%	3.1%
3344	Semiconductors	740	1.90	5.1%	-11.5%	5.2%	-9.2%
5182	Data Processing & Hosting	500	1.80	3.5%	10.2%	2.7%	10.0%
3331	Agri., Constr., Mining Machinery	450	1.74	3.2%	20.9%	2.2%	19.6%
3339	General Purpose Machinery	430	1.62	3.0%	21.8%	1.8%	21.0%
3336	Engine & Power Equipment	410	3.88	2.9%	22.7%	3.0%	22.9%
3332	Industrial Machinery	290	2.58	2.0%	11.0%	1.3%	10.6%
3254	Pharmaceuticals	280	0.96	1.9%	3.6%	5.5%	7.9%
3399	Misc. Manufacturing	230	0.81	1.6%	2.9%	1.3%	1.4%
3391	Medical Equipment & Supplies	180	0.57	1.3%	2.3%	1.3%	0.7%
2211	Power Generation & Supply	180	0.43	1.2%	-3.7%	3.3%	-1.1%
5172	Wireless Telecom Carriers	170	1.08	1.2%	21.3%	2.5%	24.7%
5112	Software Products	140	0.44	1.0%	0.2%	2.8%	2.0%
6215	Medical and Diagnostic Laboratories	140	0.54	1.0%	3.7%	0.4%	4.9%
3251	Basic Chemicals	110	0.74	0.8%	10.6%	2.1%	14.3%
3259	Misc. Chemicals	80	0.97	0.6%	6.8%	0.5%	9.0%
5152	Cable and Other Subscription Programming	80	1.10	0.6%	0.8%	1.0%	5.3%
3352	Household Appliances	80	1.27	0.5%	0.0%	0.2%	1.4%
3359	Misc. Electrical Equipment	60	0.44	0.4%	3.8%	0.5%	1.7%
3279	Stone & Mineral Products	50	0.71	0.4%	62.0%	0.2%	65.6%
Advanced industries manufacturing		6,590	1.16	46.0%	-0.5%	50.3%	1.9%
Advanced industries energy		230	0.34	1.6%	-3.9%	5.5%	2.9%
Advanced industries services		7,510	1.17	52.4%	2.5%	44.2%	3.4%
ADVANCED INDUSTRIES TOTAL		14,330	1.12	100.0%	1.0%	100.0%	2.6%

† 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.