

Fairbanks, AK

Advanced industries employ

1,925

full-time workers. (2015)

These direct jobs supports an additional

1,540

indirect jobs in other industries in the region.

Advanced industries produce

\$0.8

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

Advanced industries pay, on average

\$139,977

dollars per year (2015).

Advanced industries directly account for

4.1%

of all jobs in the region.

This employment share is

#221

among all small metros.

This accounts for

13.7%

of all output in the region (2015).

This compares to average pay of

\$54,804

for all industries (2015).

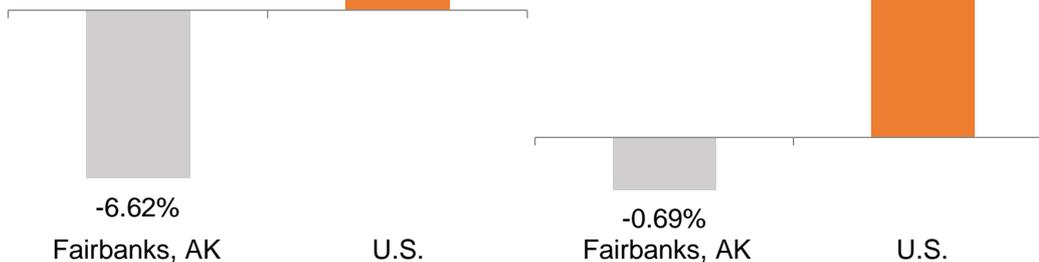
Advanced industry annual average growth, 2013-2015

OUTPUT

RANK: #280
2.70%

JOBS

RANK: #212
2.46%



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

www.brookings.edu/advancedindustries

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DATA NOTES

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

Fairbanks, AK

Twenty-Five Largest Advanced Industries (2015)

There are 5 advanced industries in Fairbanks, AK 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
2122	Metal Ore Mining	660	50.73	34.1%	17.7%	20.5%	54.1%	7.7%	-6.9%
5413	Engineering	360	0.80	18.7%	0.9%	4.4%	6.3%	-1.5%	6.1%
2211	Power Generation & Supply	210	1.66	10.9%	0.9%	-1.9%	8.8%	-1.1%	-7.0%
5417	R&D Services	150	0.73	8.0%	7.2%	-10.4%	5.0%	7.9%	-2.9%
5416	Management Consulting	120	0.29	6.1%	-9.7%	-26.2%	2.5%	-12.8%	-19.6%
5415	Computer Systems Design	110	0.17	5.5%	-5.3%	-18.5%	1.7%	-4.8%	-12.6%
5179	Other telecommunications	90	3.51	4.7%	-2.6%	-3.1%	2.6%	-1.8%	-0.1%
3241	Petroleum & Coal Products	80	2.21	4.0%	-6.4%	-23.9%	5.3%	-10.8%	-19.3%
5172	Wireless Telecom Carriers	40	0.87	1.9%	-8.5%	1.4%	1.0%	-5.5%	3.2%
6215	Medical and Diagnostic Laboratories	30	0.40	1.7%	4.0%	10.6%	0.2%	-8.3%	1.2%
2111	Oil & Gas Extraction	20	0.39	1.2%	7.7%	-2.0%	10.9%	2.2%	-2.3%
3339	General Purpose Machinery	10	0.12	0.5%	-3.1%	0.0%	0.0%	-27.4%	32.2%
3346	Magnetic & Optical Media	10	1.50	0.4%	14.5%	-5.7%	0.1%	8.4%	-5.1%
5191	Web Search Portals and Internet Publishing	10	0.09	0.4%	-4.4%	0.0%	0.2%	14.0%	16.2%
3365	Railroad Rolling Stock Manufacturing	10	0.66	0.3%	-5.0%	0.0%	0.0%	-8.1%	-17.9%
5112	Software Products	10	0.05	0.3%	0.0%	0.0%	0.1%	-4.3%	-3.6%
5182	Data Processing & Hosting	10	0.05	0.3%	0.0%	0.0%	0.2%	33.3%	23.7%
3271	Clay Product and Refractory Manufacturing	-	0.24	0.2%	0.0%	22.5%	0.0%	-15.5%	-3.0%
3333	Commercial & Service Machinery	-	0.11	0.2%	0.0%	-13.4%	0.0%	-18.0%	-2.9%
3366	Ships & Boats	-	0.07	0.2%	0.0%	0.0%	0.0%	-16.4%	-8.1%
3251	Basic Chemicals	-	0.04	0.1%	0.0%	0.0%	0.1%	44.0%	-25.3%
5174	Satellite Telecommunications	-	0.77	0.1%	-12.6%	0.0%	0.1%	-4.3%	-14.7%
3252	Resins & Synthetic Rubbers	-	0.03	0.1%	0.0%	0.0%	0.0%	43.2%	-24.4%
3253	Pesticides & Fertilizers	-	0.08	0.1%	0.0%	0.0%	0.0%	42.3%	-23.5%
3254	Pharmaceuticals	-	0.01	0.1%	0.0%	0.0%	0.1%	45.1%	-23.6%
IFG	Advanced industries manufacturing	120	0.07	6.2%	-5.1%	-19.4%	5.9%	-9.6%	-18.8%
	Advanced industries energy	890	4.44	46.2%	11.0%	13.2%	73.8%	5.7%	-6.3%
	Advanced industries services	920	0.43	47.6%	-2.3%	-7.6%	20.3%	-2.7%	-3.2%
	ADVANCED INDUSTRIES TOTAL	1,930	0.47	100.0%	1.4%	-0.7%	100.0%	2.4%	-6.6%

† 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.