

Fresno, CA

Advanced industries employ

11,500

full-time workers. (2013)

These direct jobs supports an additional

9,200

indirect jobs in other industries in
the region.

Advanced industries produce

\$2.7

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

Advanced industries pay, on average

\$60,850

dollars per year (2013).

Advanced industries directly
account for

3.2%

of all jobs in the region.

This employment share is

#98

among all large metros.

This accounts for

6.9%

of all output in the region (2013).

This compares to average pay of

\$39,960

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-2.5%
Fresno, CA

U.S.

-5.2%
Fresno, CA

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.

Fresno, CA

Twenty-Five Largest Advanced Industries (2013)

There are 5 advanced industries in Fresno, CA 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	1,790	0.52	15.5%	1.3%	11.1%	1.8%
5416	Management Consulting	1,700	0.57	14.8%	-6.8%	12.3%	-7.6%
3339	General Purpose Machinery	1,160	1.79	10.1%	14.0%	6.3%	14.7%
3342	Communications Equipment	870	3.46	7.6%	-11.4%	7.9%	-7.8%
5415	Computer Systems Design	670	0.16	5.8%	8.8%	5.6%	10.4%
3331	Agri., Constr., Mining Machinery	560	0.88	4.8%	10.0%	2.8%	14.3%
3391	Medical Equipment & Supplies	510	0.66	4.4%	-0.5%	3.8%	1.6%
6215	Medical and Diagnostic Laboratories	420	0.68	3.7%	0.2%	1.3%	-0.1%
2211	Power Generation & Supply	340	0.34	3.0%	-2.0%	5.5%	-4.0%
3362	Motor Vehicle Body & Trailers	320	0.92	2.7%	8.0%	1.7%	3.7%
3253	Pesticides & Fertilizers	290	3.04	2.5%	5.7%	5.2%	5.7%
3399	Misc. Manufacturing	260	0.37	2.2%	-8.5%	1.4%	-7.9%
5417	R&D Services	230	0.15	2.0%	29.8%	2.1%	35.1%
3332	Industrial Machinery	230	0.84	2.0%	12.9%	1.4%	17.2%
5152	Cable and Other Subscription Programming	200	1.08	1.7%	0.2%	4.4%	8.0%
3341	Computer Equipment	190	0.48	1.7%	-10.4%	2.8%	-3.8%
5179	Other telecommunications	190	0.88	1.6%	-5.4%	2.6%	6.9%
5174	Satellite Telecommunications	170	7.49	1.5%	-39.2%	2.6%	-36.8%
3363	Motor Vehicle Parts	170	0.13	1.5%	-2.3%	1.2%	11.3%
5182	Data Processing & Hosting	170	0.24	1.4%	1.9%	1.4%	2.0%
5172	Wireless Telecom Carriers	150	0.38	1.3%	-11.5%	1.9%	-13.8%
3241	Petroleum & Coal Products	100	0.36	0.9%	-13.7%	3.1%	-29.1%
3343	Audio & Video Equipment	90	1.76	0.7%	-7.9%	0.6%	-7.1%
3345	Precision Instruments	80	0.08	0.7%	21.1%	0.6%	29.4%
3252	Resins & Synthetic Rubbers	80	0.32	0.7%	-17.6%	1.5%	-14.4%
Advanced industries manufacturing		5,320	0.39	46.3%	-0.9%	44.2%	-3.2%
Advanced industries energy		400	0.25	3.5%	-5.0%	8.6%	-15.5%
Advanced industries services		5,770	0.37	50.2%	-3.8%	47.2%	-4.5%
ADVANCED INDUSTRIES TOTAL		11,500	0.37	100.0%	-2.5%	100.0%	-5.2%

† 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.