

Los Angeles, CA

Advanced industries employ

512,890

full-time workers. (2013)

These direct jobs supports an additional

410,310

indirect jobs in other industries in
the region.

Advanced industries produce

\$127.3

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

Advanced industries pay, on average

\$98,230

dollars per year (2013).

Advanced industries directly
account for

9.1%

of all jobs in the region.

This employment share is

#39

among all large metros.

This accounts for

16.1%

of all output in the region (2013).

This compares to average pay of

\$59,190

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

1.6%

2.7%

OUTPUT

2.6%

3.8%

Los Angeles, CA

U.S.

Los Angeles, 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

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DATA NOTES

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

Los Angeles, CA

Twenty-Five Largest Advanced Industries (2013)

There are 12 advanced industries in Los Angeles, 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
5416	Management Consulting	71,260	1.52	13.9%	9.0%	10.5%	8.0%
5413	Architecture & Engineering	59,480	1.12	11.6%	2.4%	7.6%	2.8%
3364	Aircraft Products & Parts	50,460	2.56	9.8%	0.9%	7.5%	4.5%
5415	Computer Systems Design	46,910	0.70	9.1%	3.1%	8.1%	4.4%
3345	Precision Instruments	36,060	2.32	7.0%	-5.9%	6.8%	-2.1%
3391	Medical Equipment & Supplies	27,380	2.27	5.3%	2.9%	4.4%	5.5%
5417	R&D Services	24,010	0.96	4.7%	0.2%	4.4%	4.2%
3344	Semiconductors	20,280	1.37	4.0%	-3.3%	4.0%	1.1%
6215	Medical and Diagnostic Laboratories	14,800	1.52	2.9%	-1.6%	1.1%	-1.8%
3399	Misc. Manufacturing	14,050	1.29	2.7%	1.2%	1.7%	2.5%
5191	Web Search Portals and Internet Publishing	11,690	1.51	2.3%	7.2%	3.2%	8.4%
3254	Pharmaceuticals	11,460	1.05	2.2%	1.6%	6.3%	4.4%
5112	Software Products	11,130	0.94	2.2%	4.3%	5.3%	9.7%
2211	Power Generation & Supply	9,420	0.60	1.8%	-3.7%	3.7%	-3.5%
3341	Computer Equipment	8,530	1.36	1.7%	11.1%	2.7%	15.0%
5172	Wireless Telecom Carriers	8,510	1.40	1.7%	4.3%	2.4%	6.3%
5182	Data Processing & Hosting	7,420	0.70	1.4%	11.1%	1.4%	11.2%
3339	General Purpose Machinery	6,900	0.68	1.3%	-0.6%	0.8%	1.3%
3363	Motor Vehicle Parts	6,710	0.33	1.3%	-1.7%	0.6%	1.7%
3333	Commercial & Service Machinery	5,990	1.74	1.2%	3.8%	0.7%	5.5%
5152	Cable and Other Subscription Programming	5,620	1.98	1.1%	-0.1%	2.5%	7.2%
3359	Misc. Electrical Equipment	5,480	1.10	1.1%	4.4%	0.5%	4.1%
3241	Petroleum & Coal Products	5,120	1.15	1.0%	2.1%	3.3%	-16.2%
3342	Communications Equipment	4,330	1.10	0.8%	-6.2%	0.9%	-4.5%
3353	Electrical Equipment	3,850	0.68	0.7%	-1.7%	0.4%	-3.1%
Advanced industries manufacturing		236,820	1.10	46.2%	-0.5%	45.4%	0.7%
Advanced industries energy		11,830	0.47	2.3%	-3.0%	7.1%	-4.2%
Advanced industries services		264,250	1.08	51.5%	4.0%	47.5%	5.9%
ADVANCED INDUSTRIES TOTAL		512,890	1.05	100.0%	1.6%	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.