

San Luis Obispo, CA

Advanced industries employ

6,930

full-time workers. (2013)

These direct jobs supports an additional

5,540

indirect jobs in other industries in
the region.

Advanced industries produce

\$1.9

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

Advanced industries pay, on average

\$70,390

dollars per year (2013).

Advanced industries directly
account for

6.1%

of all jobs in the region.

This employment share is

#137

among all small metros.

This accounts for

14.2%

of all output in the region (2013).

This compares to average pay of

\$41,980

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

3.8%

2.7%

San Luis Obispo, CA

U.S.

OUTPUT

3.8%

-1.2%

San Luis Obispo, 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.

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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
5415	Computer Systems Design	1,160	0.85	16.7%	3.2%	12.7%	4.2%
5413	Architecture & Engineering	1,010	0.94	14.6%	0.3%	8.2%	0.3%
2211	Power Generation & Supply	740	2.36	10.7%	-6.4%	18.0%	-7.1%
5416	Management Consulting	590	0.63	8.5%	7.7%	5.6%	6.3%
3359	Misc. Electrical Equipment	400	4.03	5.8%	5.5%	2.6%	4.3%
5112	Software Products	370	1.55	5.3%	42.0%	11.2%	40.9%
6215	Medical and Diagnostic Laboratories	310	1.57	4.4%	57.4%	1.5%	60.1%
5417	R&D Services	310	0.61	4.4%	11.1%	3.6%	15.1%
3399	Misc. Manufacturing	300	1.38	4.3%	4.2%	2.8%	6.4%
3241	Petroleum & Coal Products	170	1.84	2.4%	-0.8%	7.1%	-18.5%
3345	Precision Instruments	160	0.50	2.3%	5.4%	2.0%	12.6%
3339	General Purpose Machinery	150	0.74	2.2%	7.7%	1.2%	9.5%
3332	Industrial Machinery	120	1.44	1.8%	-3.3%	1.1%	1.3%
3344	Semiconductors	100	0.34	1.5%	47.2%	1.4%	59.1%
3254	Pharmaceuticals	90	0.42	1.3%	-6.6%	3.5%	-3.6%
3336	Engine & Power Equipment	90	1.14	1.3%	26.9%	0.9%	29.8%
5182	Data Processing & Hosting	80	0.37	1.1%	-6.9%	1.0%	-6.9%
2111	Oil & Gas Extraction	70	0.47	1.1%	-17.3%	6.7%	-21.7%
3391	Medical Equipment & Supplies	70	0.30	1.1%	-2.2%	0.9%	1.4%
3363	Motor Vehicle Parts	70	0.17	1.0%	16.8%	0.6%	23.4%
3331	Agri., Constr., Mining Machinery	50	0.26	0.8%	58.7%	0.4%	65.5%
3333	Commercial & Service Machinery	50	0.72	0.7%	12.6%	0.4%	13.6%
3353	Electrical Equipment	50	0.42	0.7%	47.4%	0.3%	44.7%
3351	Electrical Lighting Equipment	50	1.24	0.7%	-6.8%	0.3%	-8.2%
5172	Wireless Telecom Carriers	40	0.35	0.6%	1.6%	0.8%	-3.4%
Advanced industries manufacturing		2,210	0.51	31.9%	5.9%	29.9%	-1.4%
Advanced industries energy		820	1.61	11.8%	-7.7%	24.7%	-12.2%
Advanced industries services		3,900	0.79	56.3%	5.8%	45.4%	7.9%
ADVANCED INDUSTRIES TOTAL		6,930	0.71	100.0%	3.8%	100.0%	-1.2%

† 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.