

## Bakersfield, CA

Advanced industries employ

**16,880**

full-time workers. (2013)

These direct jobs supports an additional

**13,500**

indirect jobs in other industries in the region.

Advanced industries produce

**\$9.5**

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

Advanced industries pay, on average

**\$116,420**

dollars per year (2013).

Advanced industries directly account for

**5.4%**

of all jobs in the region.

This employment share is

**#86**

among all large metros.

This accounts for

**23.8%**

of all output in the region (2013).

This compares to average pay of

**\$46,440**

for all industries (2013).

Advanced industry annual average growth, 2010-2013

**JOBS**

3.0%

2.7%

**OUTPUT**

3.8%

0.3%

Bakersfield, CA

U.S.

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### 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)

There are 4 advanced industries in Bakersfield, 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	3,860	1.31	22.9%	7.5%	6.6%	7.7%
2111	Oil & Gas Extraction	3,490	8.04	20.7%	9.5%	64.6%	3.9%
5416	Management Consulting	2,010	0.77	11.9%	9.7%	4.0%	8.4%
5415	Computer Systems Design	1,240	0.33	7.4%	-9.6%	2.9%	-8.6%
3241	Petroleum & Coal Products	880	3.58	5.2%	1.1%	7.7%	-17.0%
6215	Medical and Diagnostic Laboratories	640	1.19	3.8%	14.5%	0.6%	15.6%
3364	Aircraft Products & Parts	570	0.52	3.4%	-1.0%	1.2%	4.4%
3345	Precision Instruments	420	0.49	2.5%	13.9%	1.0%	20.1%
5417	R&D Services	410	0.30	2.4%	31.7%	1.0%	36.7%
3331	Agri., Constr., Mining Machinery	410	0.75	2.4%	-7.2%	0.6%	-4.4%
5182	Data Processing & Hosting	340	0.58	2.0%	-7.0%	0.8%	-6.9%
3391	Medical Equipment & Supplies	300	0.44	1.8%	-8.0%	0.6%	-5.1%
2211	Power Generation & Supply	220	0.26	1.3%	-29.3%	1.1%	-31.8%
3251	Basic Chemicals	190	0.60	1.1%	11.9%	1.0%	18.9%
3254	Pharmaceuticals	180	0.29	1.0%	-5.4%	1.3%	-3.1%
3339	General Purpose Machinery	180	0.31	1.0%	13.0%	0.3%	12.6%
5174	Satellite Telecommunications	140	7.22	0.9%	-11.1%	0.6%	-5.3%
3341	Computer Equipment	140	0.40	0.8%	7.9%	0.6%	14.3%
3362	Motor Vehicle Body & Trailers	130	0.44	0.8%	4.2%	0.1%	-7.6%
3259	Misc. Chemicals	120	0.64	0.7%	0.9%	0.5%	2.5%
3399	Misc. Manufacturing	100	0.17	0.6%	10.2%	0.2%	12.3%
3346	Magnetic & Optical Media	100	2.35	0.6%	8.7%	0.3%	13.0%
3253	Pesticides & Fertilizers	100	1.16	0.6%	-0.3%	0.4%	-2.5%
3279	Stone & Mineral Products	80	0.53	0.5%	6.5%	0.1%	4.3%
5112	Software Products	80	0.12	0.5%	7.0%	0.7%	12.5%
Advanced industries manufacturing		4,290	0.36	25.4%	1.0%	16.5%	-8.0%
Advanced industries energy		3,740	2.68	22.1%	4.3%	65.7%	2.5%
Advanced industries services		8,860	0.65	52.5%	3.4%	17.8%	1.9%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>16,880</b>	<b>0.63</b>	<b>100.0%</b>	<b>3.0%</b>	<b>100.0%</b>	<b>0.3%</b>

† 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.