

## Santa Maria, CA

Advanced industries employ

**19,140**

full-time workers. (2013)

These direct jobs supports an additional

**15,310**

indirect jobs in other industries in the region.

Advanced industries produce

**\$5.0**

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

Advanced industries pay, on average

**\$95,070**

dollars per year (2013).

Advanced industries directly

account for

**9.8%**

of all jobs in the region.

This employment share is

**#52**

among all small metros.

This accounts for

**20.6%**

of all output in the region (2013).

This compares to average pay of

**\$49,590**

for all industries (2013).

Advanced industry annual average growth, 2010-2013

**JOBS**

3.0%

2.7%

**OUTPUT**

6.6%

3.8%

Santa Maria, 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)

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	3,580	1.94	18.7%	-0.2%	11.1%	-0.8%
3345	Precision Instruments	2,510	4.64	13.1%	-2.6%	13.0%	1.9%
5416	Management Consulting	1,840	1.13	9.6%	4.3%	6.6%	2.4%
5415	Computer Systems Design	1,740	0.75	9.1%	11.3%	7.3%	11.8%
5112	Software Products	1,500	3.66	7.8%	8.4%	15.3%	12.9%
3364	Aircraft Products & Parts	1,300	1.90	6.8%	8.2%	4.7%	11.5%
5417	R&D Services	1,220	1.40	6.4%	-2.1%	5.5%	0.9%
3391	Medical Equipment & Supplies	790	1.88	4.1%	1.6%	3.4%	4.6%
3399	Misc. Manufacturing	630	1.66	3.3%	3.5%	2.0%	5.0%
3344	Semiconductors	510	1.00	2.7%	-1.5%	2.9%	3.9%
3254	Pharmaceuticals	360	0.94	1.9%	-3.2%	4.7%	0.9%
5191	Web Search Portals and Internet Publishing	310	1.14	1.6%	26.0%	2.1%	27.4%
6215	Medical and Diagnostic Laboratories	300	0.89	1.6%	11.2%	0.6%	10.2%
5152	Cable and Other Subscription Programming	220	2.22	1.1%	3.6%	2.4%	12.2%
2111	Oil & Gas Extraction	200	0.74	1.0%	34.6%	7.1%	27.7%
3251	Basic Chemicals	170	0.87	0.9%	32.5%	1.6%	43.2%
3353	Electrical Equipment	170	0.84	0.9%	2.8%	0.4%	1.8%
3336	Engine & Power Equipment	150	1.10	0.8%	42.4%	0.5%	42.1%
5182	Data Processing & Hosting	150	0.40	0.8%	12.8%	0.7%	13.1%
3333	Commercial & Service Machinery	140	1.18	0.7%	-2.7%	0.4%	-3.6%
3351	Electrical Lighting Equipment	140	2.16	0.7%	11.8%	0.3%	11.5%
3331	Agri., Constr., Mining Machinery	120	0.36	0.6%	7.2%	0.3%	9.9%
3259	Misc. Chemicals	110	0.95	0.6%	37.4%	0.8%	41.5%
5172	Wireless Telecom Carriers	100	0.45	0.5%	17.9%	0.7%	17.4%
3315	Foundries	90	0.51	0.5%	-10.8%	0.1%	-7.4%
Advanced industries manufacturing		7,800	1.04	40.7%	1.4%	38.8%	4.1%
Advanced industries energy		260	0.30	1.4%	18.7%	7.7%	22.5%
Advanced industries services		11,080	1.30	57.9%	4.0%	53.4%	6.8%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>19,140</b>	<b>1.13</b>	<b>100.0%</b>	<b>3.0%</b>	<b>100.0%</b>	<b>6.6%</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.