

## Alexandria, LA

Advanced industries employ

**2,900**

full-time workers. (2013)

These direct jobs supports an additional

**2,320**

indirect jobs in other industries in the region.

Advanced industries produce

**\$1.0**

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

Advanced industries pay, on average

**\$50,060**

dollars per year (2013).

Advanced industries directly account for

**4.5%**

of all jobs in the region.

This employment share is

**#206**

among all small metros.

This accounts for

**16.4%**

of all output in the region (2013).

This compares to average pay of

**\$38,810**

for all industries (2013).

Advanced industry annual average growth, 2010-2013

**JOBS**

**OUTPUT**

4.1%

2.7%

9.7%

3.8%

Alexandria, LA

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	610	0.99	21.0%	21.0%	7.5%	21.1%
5416	Management Consulting	340	0.63	11.8%	-8.4%	4.5%	-8.4%
3252	Resins & Synthetic Rubbers	300	7.12	10.4%	5.3%	23.6%	13.5%
2211	Power Generation & Supply	240	1.33	8.3%	-9.2%	11.3%	-9.2%
3253	Pesticides & Fertilizers	190	10.99	6.5%	4.8%	12.3%	11.7%
3311	Iron & Steel Products	140	3.42	4.9%	9.5%	2.9%	29.1%
3313	Aluminum Products	120	4.27	4.0%	8.9%	1.8%	33.0%
6215	Medical and Diagnostic Laboratories	110	0.98	3.8%	4.6%	0.8%	1.5%
3251	Basic Chemicals	100	1.52	3.4%	44.7%	11.4%	59.1%
3366	Ships & Boats	100	1.68	3.4%	8.7%	0.6%	4.2%
5415	Computer Systems Design	80	0.10	2.7%	-2.8%	1.3%	-1.4%
3259	Misc. Chemicals	80	1.96	2.6%	5.4%	7.7%	10.6%
3315	Foundries	50	0.92	1.8%	9.8%	1.0%	31.8%
3331	Agri., Constr., Mining Machinery	50	0.43	1.7%	6.1%	0.8%	9.3%
5172	Wireless Telecom Carriers	40	0.62	1.5%	-11.3%	0.4%	-13.0%
5182	Data Processing & Hosting	40	0.35	1.5%	-4.9%	0.4%	-8.2%
3254	Pharmaceuticals	40	0.28	1.2%	4.0%	5.8%	13.0%
3399	Misc. Manufacturing	40	0.28	1.2%	0.0%	0.2%	3.2%
3339	General Purpose Machinery	30	0.29	1.2%	4.3%	0.4%	0.9%
3364	Aircraft Products & Parts	30	0.13	1.0%	3.6%	0.3%	-2.4%
3363	Motor Vehicle Parts	30	0.11	0.9%	7.4%	0.7%	19.2%
5152	Cable and Other Subscription Programming	30	0.76	0.9%	-1.3%	0.6%	-2.9%
5112	Software Products	20	0.18	0.8%	-14.2%	0.5%	-16.0%
3241	Petroleum & Coal Products	20	0.33	0.6%	9.4%	1.8%	-6.4%
3369	Misc. Transportation Equipment	20	1.16	0.6%	6.7%	0.3%	-3.4%
Advanced industries manufacturing		1,370	0.55	47.3%	8.0%	72.4%	16.8%
Advanced industries energy		240	0.82	8.3%	-9.2%	11.3%	-9.2%
Advanced industries services		1,290	0.45	44.4%	3.6%	16.3%	2.5%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>2,900</b>	<b>0.51</b>	<b>100.0%</b>	<b>4.1%</b>	<b>100.0%</b>	<b>9.7%</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.