

## Longview, TX

Advanced industries employ

**8,770**

full-time workers. (2013)

These direct jobs supports an additional

**7,020**

indirect jobs in other industries in the region.

Advanced industries produce

**\$3.0**

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

Advanced industries pay, on average

**\$84,250**

dollars per year (2013).

Advanced industries directly account for

**8.4%**

of all jobs in the region.

This employment share is

**#71**

among all small metros.

This accounts for

**25.2%**

of all output in the region (2013).

This compares to average pay of

**\$45,310**

for all industries (2013).

Advanced industry annual average growth, 2010-2013

**JOBS**

2.7%

**OUTPUT**

4.4%

3.8%

-0.2%

Longview, TX

U.S.

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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
3331	Agri., Constr., Mining Machinery	1,420	7.74	16.2%	-3.0%	11.2%	2.6%
5416	Management Consulting	1,260	1.44	14.4%	9.9%	6.6%	9.8%
2111	Oil & Gas Extraction	850	5.86	9.7%	3.8%	30.6%	7.9%
5413	Architecture & Engineering	740	0.74	8.4%	5.4%	3.5%	5.9%
2211	Power Generation & Supply	630	2.15	7.1%	-2.2%	15.0%	6.9%
3339	General Purpose Machinery	480	2.55	5.5%	6.3%	3.2%	11.8%
3365	Railroad Rolling Stock Manufacturing	430	23.89	4.9%	-0.4%	2.4%	6.7%
3342	Communications Equipment	390	5.33	4.5%	-17.0%	3.5%	-14.5%
3315	Foundries	330	3.60	3.8%	1.7%	1.4%	9.3%
3399	Misc. Manufacturing	210	1.01	2.3%	-1.3%	0.7%	-2.0%
5415	Computer Systems Design	160	0.13	1.9%	-0.8%	1.1%	0.5%
3251	Basic Chemicals	150	1.42	1.7%	-9.0%	3.2%	-8.3%
3364	Aircraft Products & Parts	140	0.39	1.6%	3.5%	1.0%	10.1%
3362	Motor Vehicle Body & Trailers	120	1.23	1.4%	27.7%	1.2%	42.1%
5172	Wireless Telecom Carriers	110	0.96	1.2%	-22.1%	0.9%	-18.5%
3241	Petroleum & Coal Products	110	1.28	1.2%	-1.2%	4.4%	4.1%
5179	Other telecommunications	100	1.67	1.2%	26.8%	0.9%	28.1%
3366	Ships & Boats	90	0.92	1.0%	3.7%	0.4%	9.0%
3344	Semiconductors	80	0.29	0.9%	-7.5%	0.7%	-5.3%
6215	Medical and Diagnostic Laboratories	80	0.44	0.9%	-2.4%	0.2%	-0.8%
3271	Clay Product and Refractory Manufacturing	70	2.26	0.7%	-9.9%	0.2%	-6.8%
3353	Electrical Equipment	70	0.61	0.7%	-5.1%	0.3%	-5.7%
3359	Misc. Electrical Equipment	60	0.62	0.7%	-4.7%	0.2%	-10.1%
3345	Precision Instruments	60	0.19	0.6%	3.2%	0.5%	5.1%
3332	Industrial Machinery	50	0.69	0.6%	-4.5%	0.4%	-0.3%
Advanced industries manufacturing		4,720	1.17	53.8%	-3.0%	40.0%	0.7%
Advanced industries energy		1,490	3.17	17.0%	1.1%	45.6%	7.5%
Advanced industries services		2,560	0.56	29.2%	5.2%	14.5%	6.0%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>8,770</b>	<b>0.97</b>	<b>100.0%</b>	<b>-0.2%</b>	<b>100.0%</b>	<b>4.4%</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.