

Tyler, TX

Advanced industries employ

5,390

full-time workers. (2013)

These direct jobs supports an additional

4,310

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

\$80,610

dollars per year (2013).

Advanced industries directly
account for

5.4%

of all jobs in the region.

This employment share is

#165

among all small metros.

This accounts for

17.6%

of all output in the region (2013).

This compares to average pay of

\$41,450

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

-3.4%

Tyler, TX

U.S.

OUTPUT

3.8%

1.0%

Tyler, TX

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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www.brookings.edu/advancedindustries

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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	1,050	1.11	19.4%	-5.3%	8.3%	-5.1%
2111	Oil & Gas Extraction	630	4.56	11.7%	-0.9%	36.9%	3.0%
5416	Management Consulting	430	0.52	8.0%	22.6%	3.8%	22.3%
3332	Industrial Machinery	380	5.06	7.0%	-16.2%	5.3%	-11.5%
3315	Foundries	310	3.50	5.7%	-7.4%	1.7%	-0.4%
6215	Medical and Diagnostic Laboratories	280	1.61	5.2%	2.1%	1.2%	5.3%
3331	Agri., Constr., Mining Machinery	250	1.42	4.6%	-6.6%	3.9%	-0.2%
3313	Aluminum Products	220	5.41	4.1%	-8.1%	2.1%	-4.1%
5172	Wireless Telecom Carriers	210	1.94	3.9%	0.0%	2.7%	5.4%
5415	Computer Systems Design	180	0.15	3.4%	-1.1%	2.0%	0.5%
3241	Petroleum & Coal Products	160	2.07	3.0%	-2.0%	11.2%	3.7%
3399	Misc. Manufacturing	150	0.77	2.7%	-6.0%	0.7%	-7.4%
5152	Cable and Other Subscription Programming	140	2.86	2.7%	0.7%	1.9%	13.0%
3311	Iron & Steel Products	130	1.95	2.3%	-7.9%	1.8%	2.8%
2211	Power Generation & Supply	110	0.40	2.0%	-4.2%	5.3%	4.7%
5179	Other telecommunications	80	1.40	1.5%	14.7%	1.2%	17.4%
3391	Medical Equipment & Supplies	80	0.38	1.5%	-2.4%	0.5%	-3.9%
3279	Stone & Mineral Products	70	1.48	1.3%	5.1%	0.5%	7.4%
3259	Misc. Chemicals	70	1.11	1.2%	-8.9%	2.0%	-9.2%
5112	Software Products	50	0.23	0.9%	-21.4%	1.4%	-10.3%
3359	Misc. Electrical Equipment	50	0.53	0.9%	3.8%	0.3%	1.1%
3271	Clay Product and Refractory Manufacturing	50	1.65	0.8%	-4.1%	0.2%	-1.8%
3369	Misc. Transportation Equipment	50	2.01	0.8%	4.0%	0.4%	8.5%
3364	Aircraft Products & Parts	40	0.13	0.8%	4.1%	0.5%	12.4%
5191	Web Search Portals and Internet Publishing	30	0.25	0.6%	28.6%	0.2%	23.4%
Advanced industries manufacturing		2,140	0.56	39.7%	-7.6%	34.4%	-2.3%
Advanced industries energy		740	1.66	13.8%	-1.4%	42.3%	3.2%
Advanced industries services		2,510	0.58	46.5%	0.2%	23.3%	2.2%
ADVANCED INDUSTRIES TOTAL		5,390	0.63	100.0%	-3.4%	100.0%	1.0%

† 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.