

## Altoona, PA

Advanced industries employ

**3,370**

full-time workers. (2015)

These direct jobs supports an additional

**2,700**

indirect jobs in other industries in the region.

Advanced industries produce

**\$0.6**

billion dollars in output in the region. (2015, 2009 Chained)

Advanced industries pay, on average

**\$55,458**

dollars per year (2015).

Advanced industries directly account for

**5.4%**

of all jobs in the region.

This employment share is

**#166**

among all small metros.

This accounts for

**10.9%**

of all output in the region (2015).

This compares to average pay of

**\$39,705**

for all industries (2015).

Advanced industry annual average growth, 2013-2015

**OUTPUT**

RANK:  
#254

2.70%

**JOBS**

RANK:  
#250

2.46%

-2.56%

Altoona, PA

U.S.

-2.01%

Altoona, PA

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

#### VIEW THE FULL REPORT

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#### DATA NOTES

All figures reflect Brookings analysis of data from Moody's Analytics.

# Altoona, PA

## Twenty-Five Largest Advanced Industries (2015)

There are 8 advanced industries in Altoona, PA with LQs over 1.5. LQs over 1.5 indicate specialization †

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2015)	Industry Location Quotient (LQ) † 2015	Industry Share of Total Advanced Industries Employment (2015)	Industry Employment Annual Growth		Industry Share of Total Advanced Industries Output (2015)	Industry Output Annual Growth	
					2010-2013	2013-2015		2010-2013	2013-2015
5413	Engineering	490	0.82	14.5%	-0.5%	6.1%	10.2%	0.1%	4.7%
5415	Computer Systems Design	390	0.48	11.6%	-10.6%	7.7%	9.5%	-6.7%	6.1%
3399	Misc. Manufacturing	310	2.64	9.3%	3.6%	-8.0%	5.5%	0.0%	-6.4%
3254	Pharmaceuticals	280	2.34	8.2%	0.7%	-6.8%	16.7%	-6.2%	-7.2%
3362	Motor Vehicle Body & Trailers	220	3.41	6.4%	10.8%	-3.1%	3.1%	13.4%	1.1%
3332	Industrial Machinery	210	4.41	6.2%	7.0%	-5.3%	3.9%	9.3%	-3.8%
2211	Power Generation & Supply	160	0.93	4.6%	-1.0%	-1.9%	11.4%	-3.9%	-5.8%
3365	Railroad Rolling Stock Manufacturing	110	8.81	3.1%	17.7%	-5.6%	2.7%	30.4%	-9.3%
5416	Management Consulting	100	0.19	3.0%	-2.2%	-6.6%	2.5%	-3.1%	-5.6%
3345	Precision Instruments	100	0.57	2.8%	1.0%	-2.0%	2.5%	7.0%	-2.6%
3344	Semiconductors	90	0.58	2.7%	1.1%	-2.2%	2.3%	5.3%	0.0%
3359	Misc. Electrical Equipment	80	1.42	2.3%	0.0%	-9.9%	1.4%	-2.3%	-9.3%
3391	Medical Equipment & Supplies	60	0.47	1.8%	6.9%	17.7%	1.5%	-0.8%	19.1%
5191	Web Search Portals and Internet Publishing	60	0.55	1.7%	-1.9%	4.7%	0.9%	1.6%	9.6%
3364	Aircraft Products & Parts	50	0.26	1.6%	18.1%	-5.9%	2.6%	21.6%	-8.7%
3252	Resins & Synthetic Rubbers	50	1.26	1.5%	-1.1%	-7.2%	1.9%	-5.6%	-7.0%
3331	Agri., Constr., Mining Machinery	50	0.50	1.5%	6.9%	-4.7%	0.9%	5.3%	-8.3%
3313	Aluminum Products	50	1.95	1.5%	1.9%	-6.5%	1.1%	10.9%	-7.2%
3363	Motor Vehicle Parts	50	0.21	1.5%	21.1%	-5.6%	1.5%	23.1%	0.0%
6215	Medical and Diagnostic Laboratories	40	0.38	1.2%	4.7%	3.8%	0.2%	3.3%	-4.7%
2111	Oil & Gas Extraction	40	0.48	1.2%	7.7%	-6.9%	4.8%	43.7%	-2.2%
3279	Stone & Mineral Products	40	1.18	1.1%	-1.6%	-5.0%	0.7%	-1.0%	-0.2%
5112	Software Products	40	0.26	1.1%	-0.9%	-1.4%	3.2%	-0.7%	5.9%
3342	Communications Equipment	30	0.91	1.0%	0.9%	-2.8%	0.8%	6.7%	-4.1%
3241	Petroleum & Coal Products	30	0.71	1.0%	3.1%	-1.5%	1.5%	5.8%	5.9%
IFG	Advanced industries manufacturing	2,000	0.85	59.3%	4.6%	-5.1%	54.7%	1.5%	-4.9%
	Advanced industries energy	190	0.73	5.8%	0.7%	-3.0%	16.1%	3.4%	-4.7%
	Advanced industries services	1,180	0.42	34.9%	-3.8%	4.3%	29.2%	-2.1%	3.8%
	<b>ADVANCED INDUSTRIES TOTAL</b>	<b>3,370</b>	<b>0.62</b>	<b>100.0%</b>	<b>1.5%</b>	<b>-2.0%</b>	<b>100.0%</b>	<b>0.8%</b>	<b>-2.6%</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.