

## Asheville, NC

Advanced industries employ

**12,540**

full-time workers. (2015)

These direct jobs supports an additional

**10,030**

indirect jobs in other industries in the region.

Advanced industries produce

**\$2.6**

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

Advanced industries pay, on average

**\$64,651**

dollars per year (2015).

Advanced industries directly account for

**6.7%**

of all jobs in the region.

This employment share is

**#118**

among all small metros.

This accounts for

**15.2%**

of all output in the region (2015).

This compares to average pay of

**\$40,435**

for all industries (2015).

Advanced industry annual average growth, 2013-2015

**OUTPUT**

RANK:  
#166

2.70%

**JOBS**

RANK:  
#115

2.46%

1.10%

2.18%

Asheville, NC

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

#### VIEW THE FULL REPORT

[www.brookings.edu/advancedindustries](http://www.brookings.edu/advancedindustries)

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#### DATA NOTES

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

# Asheville, NC

## Twenty-Five Largest Advanced Industries (2015)

There are 10 advanced industries in Asheville, NC 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
3353	Electrical Equipment	2,870	15.72	22.9%	3.9%	0.9%	18.6%	-2.7%	3.8%
3363	Motor Vehicle Parts	1,260	1.75	10.0%	7.7%	2.5%	7.7%	21.7%	3.2%
5413	Engineering	1,160	0.65	9.3%	6.4%	9.9%	5.5%	6.6%	5.2%
5416	Management Consulting	1,090	0.67	8.7%	5.4%	0.2%	7.0%	2.7%	5.6%
5415	Computer Systems Design	600	0.25	4.8%	16.2%	1.4%	4.8%	15.0%	13.6%
6215	Medical and Diagnostic Laboratories	510	1.55	4.1%	1.5%	9.2%	1.5%	-3.9%	5.3%
3391	Medical Equipment & Supplies	480	1.24	3.9%	-1.2%	1.0%	3.5%	4.2%	2.1%
2211	Power Generation & Supply	420	0.83	3.3%	-1.1%	1.1%	7.5%	0.5%	-14.3%
3359	Misc. Electrical Equipment	390	2.33	3.1%	9.7%	14.9%	1.1%	-2.1%	-2.6%
3341	Computer Equipment	380	1.81	3.0%	-6.1%	-8.3%	3.9%	-9.8%	-14.1%
3364	Aircraft Products & Parts	370	0.59	3.0%	5.8%	7.4%	5.8%	25.5%	7.3%
3252	Resins & Synthetic Rubbers	240	1.99	1.9%	2.5%	7.2%	4.9%	0.5%	7.1%
3361	Motor Vehicles	240	0.90	1.9%	4.3%	3.8%	2.5%	28.8%	9.2%
3331	Agri., Constr., Mining Machinery	220	0.73	1.8%	-10.3%	-3.0%	1.7%	-17.3%	-0.8%
3271	Clay Product and Refractory Manufacturing	200	3.88	1.6%	-10.0%	1.3%	0.8%	-6.7%	0.0%
3342	Communications Equipment	170	1.49	1.3%	-1.9%	-19.6%	2.5%	0.6%	-19.0%
5172	Wireless Telecom Carriers	150	0.89	1.2%	2.3%	6.1%	1.2%	13.3%	24.6%
3352	Household Appliances	130	1.63	1.0%	2.2%	0.8%	1.0%	-1.9%	0.4%
3344	Semiconductors	120	0.25	0.9%	1.4%	-1.2%	1.0%	-2.9%	-14.4%
3251	Basic Chemicals	120	0.61	0.9%	13.3%	18.7%	3.0%	13.9%	22.1%
3254	Pharmaceuticals	110	0.30	0.9%	10.5%	12.2%	3.9%	14.9%	10.3%
3399	Misc. Manufacturing	110	0.30	0.9%	9.5%	15.7%	0.5%	17.3%	12.4%
3345	Precision Instruments	100	0.20	0.8%	0.6%	-0.5%	1.0%	7.3%	-15.7%
3332	Industrial Machinery	100	0.67	0.8%	11.4%	8.1%	0.6%	2.0%	4.7%
3279	Stone & Mineral Products	100	1.01	0.8%	13.6%	6.3%	0.5%	17.3%	7.5%
IFG	Advanced industries manufacturing	8,300	1.17	66.2%	2.3%	1.4%	68.8%	1.9%	1.3%
	Advanced industries energy	420	0.52	3.3%	-1.1%	1.1%	7.5%	0.5%	-14.2%
	Advanced industries services	3,820	0.45	30.4%	6.8%	4.0%	23.7%	5.4%	7.3%
	<b>ADVANCED INDUSTRIES TOTAL</b>	<b>12,540</b>	<b>0.76</b>	<b>100.0%</b>	<b>3.4%</b>	<b>2.2%</b>	<b>100.0%</b>	<b>2.5%</b>	<b>1.1%</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.