

## State College, PA

Advanced industries employ

**5,172**

full-time workers. (2015)

These direct jobs supports an additional

**4,140**

indirect jobs in other industries in the region.

Advanced industries produce

**\$1.0**

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

Advanced industries pay, on average

**\$82,993**

dollars per year (2015).

Advanced industries directly account for

**6.6%**

of all jobs in the region.

This employment share is

**#121**

among all small metros.

This accounts for

**11.8%**

of all output in the region (2015).

This compares to average pay of

**\$46,228**

for all industries (2015).

Advanced industry annual average growth, 2013-2015

**OUTPUT**

**JOBS**

RANK:  
#158

2.70%

RANK:  
#237

2.46%

1.27%

-1.44%

State College, PA

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.

# State College, PA

## Twenty-Five Largest Advanced Industries (2015)

There are 7 advanced industries in State College, 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
3345	Precision Instruments	990	4.70	19.2%	6.0%	2.1%	15.9%	10.1%	1.6%
5413	Engineering	800	1.07	15.5%	3.2%	2.9%	10.0%	1.7%	-0.9%
5415	Computer Systems Design	570	0.56	11.0%	-4.1%	-7.4%	11.0%	-2.0%	2.8%
5112	Software Products	510	2.88	9.8%	-0.5%	1.2%	14.4%	-0.9%	9.4%
3344	Semiconductors	480	2.48	9.3%	6.3%	-0.4%	8.6%	8.7%	4.4%
5416	Management Consulting	380	0.56	7.3%	-4.2%	9.2%	5.9%	-6.8%	10.7%
3342	Communications Equipment	270	5.73	5.2%	5.5%	-1.6%	4.1%	9.3%	-1.3%
5417	R&D Services	210	0.59	4.0%	7.9%	-24.5%	4.8%	9.1%	-16.3%
5179	Other telecommunications	80	1.81	1.5%	-12.8%	0.6%	4.4%	-14.5%	-4.8%
3391	Medical Equipment & Supplies	70	0.43	1.4%	-5.0%	-9.3%	0.9%	-10.9%	-6.3%
5191	Web Search Portals and Internet Publishing	70	0.54	1.4%	4.3%	2.2%	0.8%	7.8%	12.1%
2211	Power Generation & Supply	70	0.32	1.3%	-4.1%	-4.1%	4.3%	-5.7%	3.6%
2111	Oil & Gas Extraction	60	0.62	1.2%	9.1%	-12.9%	5.8%	45.8%	-1.1%
3364	Aircraft Products & Parts	50	0.20	1.0%	2.7%	1.0%	1.2%	6.6%	-2.9%
5152	Cable and Other Subscription Programming	50	1.58	1.0%	-0.7%	5.2%	1.0%	20.7%	-2.1%
3331	Agri., Constr., Mining Machinery	50	0.40	1.0%	31.8%	-4.7%	0.7%	28.4%	-5.7%
3271	Clay Product and Refractory Manufacturing	50	2.25	0.9%	2.3%	1.1%	0.5%	1.5%	5.1%
5182	Data Processing & Hosting	40	0.28	0.9%	-5.0%	2.4%	0.7%	-8.0%	8.0%
3333	Commercial & Service Machinery	40	0.89	0.8%	29.9%	-4.4%	0.4%	23.4%	-9.7%
6215	Medical and Diagnostic Laboratories	40	0.27	0.7%	-15.1%	5.9%	0.3%	-16.5%	-1.7%
3359	Misc. Electrical Equipment	30	0.48	0.6%	-51.0%	4.9%	0.4%	-16.7%	6.3%
3339	General Purpose Machinery	30	0.19	0.5%	30.7%	-3.5%	0.3%	32.5%	-5.3%
3369	Misc. Transportation Equipment	30	1.40	0.5%	-1.3%	0.0%	0.2%	-1.2%	5.7%
3362	Motor Vehicle Body & Trailers	20	0.29	0.4%	3.1%	0.0%	0.1%	6.6%	4.6%
3399	Misc. Manufacturing	20	0.15	0.4%	-4.7%	-8.0%	0.2%	-7.7%	-6.8%
IFG	Advanced industries manufacturing	2,300	0.78	44.4%	2.1%	-0.2%	36.6%	8.1%	1.0%
	Advanced industries energy	130	0.39	2.5%	2.0%	-8.7%	10.1%	14.0%	0.9%
	Advanced industries services	2,750	0.78	53.1%	-0.7%	-2.1%	53.3%	-1.7%	1.5%
	<b>ADVANCED INDUSTRIES TOTAL</b>	<b>5,170</b>	<b>0.76</b>	<b>100.0%</b>	<b>0.6%</b>	<b>-1.4%</b>	<b>100.0%</b>	<b>2.9%</b>	<b>1.3%</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.