

## St. George, UT

Advanced industries employ

**2,040**

full-time workers. (2013)

These direct jobs supports an additional

**1,630**

indirect jobs in other industries in  
the region.

Advanced industries produce

**\$0.3**

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

Advanced industries pay, on average

**\$50,380**

dollars per year (2013).

Advanced industries directly  
account for

**3.9%**

of all jobs in the region.

This employment share is

**#229**

among all small metros.

This accounts for

**7.7%**

of all output in the region (2013).

This compares to average pay of

**\$33,190**

for all industries (2013).

Advanced industry annual average growth, 2010-2013

**JOBS**

3.5%

2.7%

St. George, UT

U.S.

**OUTPUT**

5.6%

3.8%

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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
5413	Architecture & Engineering	290	0.58	14.1%	-3.2%	9.5%	-1.9%
5416	Management Consulting	270	0.62	13.4%	11.5%	9.2%	11.6%
5415	Computer Systems Design	250	0.39	12.0%	0.4%	9.9%	3.1%
3399	Misc. Manufacturing	180	1.77	8.8%	2.9%	6.2%	11.0%
3344	Semiconductors	170	1.23	8.4%	4.7%	7.0%	5.9%
3345	Precision Instruments	140	0.95	6.8%	4.8%	6.1%	6.5%
3254	Pharmaceuticals	120	1.18	5.9%	10.4%	12.7%	16.4%
3279	Stone & Mineral Products	90	3.46	4.4%	-5.7%	3.5%	1.8%
2211	Power Generation & Supply	70	0.48	3.4%	3.6%	6.5%	-3.4%
5182	Data Processing & Hosting	50	0.52	2.5%	63.0%	1.5%	56.3%
5112	Software Products	40	0.36	2.0%	0.0%	5.1%	1.4%
5191	Web Search Portals and Internet Publishing	40	0.54	1.9%	44.2%	1.6%	52.3%
3364	Aircraft Products & Parts	40	0.21	1.9%	-16.8%	1.9%	-20.4%
3391	Medical Equipment & Supplies	40	0.34	1.9%	10.7%	2.1%	20.5%
5417	R&D Services	40	0.16	1.9%	3.8%	1.6%	8.7%
3363	Motor Vehicle Parts	30	0.17	1.6%	3.2%	1.4%	39.0%
5179	Other telecommunications	20	0.61	0.9%	-3.3%	1.4%	-7.0%
6215	Medical and Diagnostic Laboratories	20	0.21	0.9%	-9.9%	0.4%	-7.4%
3331	Agri., Constr., Mining Machinery	20	0.17	0.8%	13.3%	0.6%	11.0%
5172	Wireless Telecom Carriers	20	0.28	0.8%	-3.9%	0.8%	-5.1%
3251	Basic Chemicals	20	0.28	0.7%	7.7%	1.2%	6.2%
3339	General Purpose Machinery	10	0.15	0.7%	26.0%	0.2%	27.1%
5152	Cable and Other Subscription Programming	10	0.41	0.5%	3.2%	0.8%	12.3%
3342	Communications Equipment	10	0.27	0.5%	7.7%	0.5%	7.7%
3346	Magnetic & Optical Media	10	1.13	0.4%	4.6%	0.2%	0.8%
Advanced industries manufacturing		930	0.46	45.3%	3.3%	49.9%	8.0%
Advanced industries energy		80	0.32	3.7%	3.3%	8.1%	-1.8%
Advanced industries services		1,040	0.45	51.0%	3.7%	42.0%	4.6%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>2,040</b>	<b>0.45</b>	<b>100.0%</b>	<b>3.5%</b>	<b>100.0%</b>	<b>5.6%</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.