

## Provo, UT

Advanced industries employ  
**25,090**  
full-time workers. (2013)

These direct jobs supports an additional  
**20,070**  
indirect jobs in other industries in  
the region.

Advanced industries produce  
**\$4.4**  
billion dollars in output in the region.  
(2013, 2005 Chained)

Advanced industries pay, on average  
**\$70,990**  
dollars per year (2013).

Advanced industries directly  
account for  
**12.0%**  
of all jobs in the region.

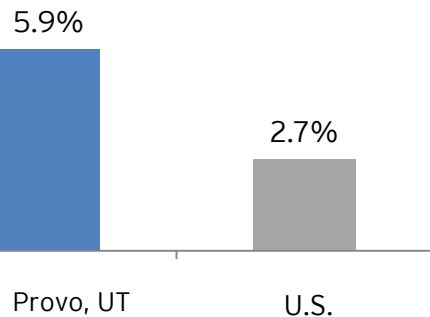
This employment share is  
**#12**  
among all large metros.

This accounts for  
**23.2%**  
of all output in the region (2013).

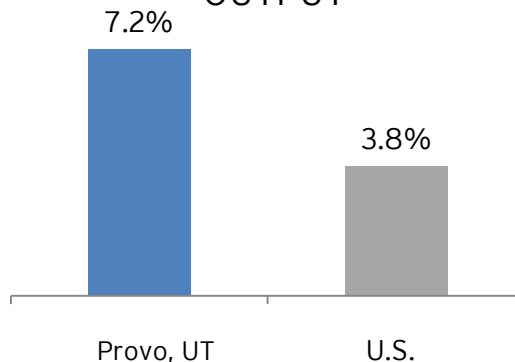
This compares to average pay of  
**\$39,940**  
for all industries (2013).

Advanced industry annual average growth, 2010-2013

### JOB



### OUTPUT



### 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.

# Provo, UT

## Twenty-Five Largest Advanced Industries (2013)

There are 14 advanced industries in Provo, UT with LQs over 1.5. LQs over 1.5 indicate specialization †

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
5415	Computer Systems Design	6,070	2.42	24.2%	13.5%	16.5%	13.0%
5112	Software Products	3,560	8.08	14.2%	11.7%	18.7%	16.6%
3344	Semiconductors	1,830	3.31	7.3%	5.1%	6.0%	6.4%
5191	Web Search Portals and Internet Publishing	1,660	5.74	6.6%	7.5%	5.5%	14.2%
5182	Data Processing & Hosting	1,640	4.14	6.5%	-5.8%	3.5%	-10.1%
5413	Architecture & Engineering	1,350	0.68	5.4%	4.0%	3.0%	2.4%
5416	Management Consulting	1,290	0.74	5.1%	3.3%	2.9%	0.3%
3254	Pharmaceuticals	1,140	2.80	4.6%	-4.1%	9.7%	2.5%
3399	Misc. Manufacturing	920	2.27	3.7%	11.6%	2.4%	21.7%
3279	Stone & Mineral Products	910	8.85	3.6%	6.7%	2.9%	14.0%
5417	R&D Services	600	0.65	2.4%	-5.2%	1.7%	-3.9%
3345	Precision Instruments	450	0.77	1.8%	7.1%	1.6%	9.2%
3315	Foundries	430	2.32	1.7%	7.2%	7.2%	2.3%
5179	Other telecommunications	400	3.21	1.6%	4.7%	2.2%	1.7%
3311	Iron & Steel Products	270	2.03	1.1%	8.3%	6.0%	8.7%
3364	Aircraft Products & Parts	270	0.36	1.1%	0.4%	1.0%	-7.0%
3331	Agri., Constr., Mining Machinery	230	0.63	0.9%	1.5%	0.5%	1.4%
3391	Medical Equipment & Supplies	220	0.50	0.9%	1.2%	0.9%	12.4%
3352	Household Appliances	210	2.41	0.8%	6.6%	0.9%	10.1%
3346	Magnetic & Optical Media	200	6.93	0.8%	-15.2%	0.5%	-18.3%
3336	Engine & Power Equipment	190	1.24	0.7%	9.4%	0.4%	4.0%
2211	Power Generation & Supply	150	0.26	0.6%	-3.4%	1.2%	-9.5%
3363	Motor Vehicle Parts	130	0.17	0.5%	6.0%	0.4%	36.9%
5152	Cable and Other Subscription Programming	110	1.08	0.5%	4.8%	0.5%	7.8%
3359	Misc. Electrical Equipment	100	0.55	0.4%	8.0%	0.5%	4.3%
Advanced industries manufacturing		8,140	1.01	32.5%	3.6%	43.8%	5.6%
Advanced industries energy		160	0.17	0.6%	-4.5%	1.3%	-9.9%
Advanced industries services		16,780	1.84	66.9%	7.2%	54.9%	9.2%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>25,090</b>	<b>1.38</b>	<b>100.0%</b>	<b>5.9%</b>	<b>100.0%</b>	<b>7.2%</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.