

District Of Columbia

Advanced industries employ

69,410

full-time workers. (2013)

These direct jobs supports an additional

55,530

indirect jobs in other industries in the region.

Advanced industries produce

\$17.0

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

Advanced industries pay, on average

\$134,040

dollars per year (2013).

Advanced industries directly account for

9.1%

of all jobs in the region.

This employment share is

#15

among all states.

This accounts for

16.1%

of all output in the region (2013).

This compares to average pay of

\$81,020

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

3.4%

2.7%

District Of Columbia

U.S.

OUTPUT

1.7%

3.8%

District Of Columbia

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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www.brookings.edu/advancedindustries

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DATA NOTES

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

District Of Columbia

Twenty-Five Largest Advanced Industries (2013)

There are 6 advanced industries in District Of Columbia 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
5416	Management Consulting	21,650	3.39	31.2%	7.1%	25.3%	5.0%
5415	Computer Systems Design	20,150	2.19	29.0%	2.7%	27.7%	2.7%
5417	R&D Services	11,910	3.48	17.2%	1.9%	18.2%	3.5%
5413	Architecture & Engineering	8,080	1.11	11.6%	2.1%	9.0%	1.2%
5191	Web Search Portals and Internet Publishing	3,220	3.04	4.6%	-0.3%	3.8%	4.2%
2211	Power Generation & Supply	1,060	0.50	1.5%	0.9%	4.3%	-6.5%
5152	Cable and Other Subscription Programming	600	1.54	0.9%	4.9%	3.0%	12.4%
5174	Satellite Telecommunications	570	11.52	0.8%	20.6%	3.0%	15.1%
5182	Data Processing & Hosting	440	0.31	0.6%	-5.0%	0.4%	-23.9%
5179	Other telecommunications	400	0.87	0.6%	-23.4%	1.6%	-32.8%
5112	Software Products	390	0.24	0.6%	-4.3%	1.5%	1.4%
5172	Wireless Telecom Carriers	320	0.39	0.5%	18.4%	1.2%	7.2%
6215	Medical and Diagnostic Laboratories	280	0.21	0.4%	5.1%	0.2%	5.2%
3254	Pharmaceuticals	110	0.08	0.2%	9.4%	0.5%	8.5%
3399	Misc. Manufacturing	50	0.03	0.1%	0.0%	0.0%	1.3%
3241	Petroleum & Coal Products	40	0.07	0.1%	1.6%	0.0%	-86.0%
2111	Oil & Gas Extraction	30	0.03	0.0%	8.7%	0.0%	#REF!
3342	Communications Equipment	20	0.04	0.0%	20.5%	0.1%	17.2%
3252	Resins & Synthetic Rubbers	10	0.03	0.0%	8.4%	0.0%	7.1%
3353	Electrical Equipment	10	0.02	0.0%	0.0%	0.0%	1.0%
3345	Precision Instruments	10	0.01	0.0%	-2.4%	0.0%	-6.7%
3346	Magnetic & Optical Media	10	0.09	0.0%	-39.7%	0.0%	-41.4%
3253	Pesticides & Fertilizers	10	0.04	0.0%	10.1%	0.0%	5.9%
3259	Misc. Chemicals	10	0.01	0.0%	7.7%	0.0%	6.6%
3344	Semiconductors	10	0.00	0.0%	35.7%	0.0%	19.0%
Advanced industries manufacturing		330	0.01	0.5%	1.9%	0.8%	-6.5%
Advanced industries energy		1,080	0.32	1.6%	1.0%	4.3%	-6.5%
Advanced industries services		68,000	2.03	98.0%	3.5%	94.9%	2.2%
ADVANCED INDUSTRIES TOTAL		69,410	1.05	100.0%	3.4%	100.0%	1.7%

† 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.