

## District Of Columbia

Advanced industries employ

**74,156**

full-time workers. (2015)

These direct jobs supports an additional

**59,320**

indirect jobs in other industries in the region.

Advanced industries produce

**\$14.5**

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

Advanced industries pay, on average

**\$140,429**

dollars per year (2015).

Advanced industries directly account for

**9.4%**

of all jobs in the region.

This employment share is

**#11**

among all states.

This accounts for

**13.4%**

of all output in the region (2015).

This compares to average pay of

**\$86,622**

for all industries (2015).

Advanced industry annual average growth, 2013-2015

**OUTPUT**

**JOBS**

3.78%

RANK:  
#10

2.70%

3.01%

RANK:  
#14

2.46%

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U.S.

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### 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

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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 (2015)

There are 5 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 (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
5415	Computer Systems Design	23,160	2.28	31.2%	3.0%	6.7%	20.0%	2.7%	6.3%
5416	Management Consulting	23,150	3.40	31.2%	7.4%	2.9%	30.2%	5.1%	6.2%
5417	R&D Services	12,500	3.54	16.8%	2.2%	2.0%	22.0%	3.8%	6.5%
5413	Engineering	7,830	1.04	10.6%	2.4%	-2.0%	9.7%	1.7%	0.5%
5191	Web Search Portals and Internet Publishing	3,590	2.77	4.8%	-0.4%	6.0%	5.1%	1.9%	11.9%
2211	Power Generation & Supply	1,110	0.52	1.5%	0.9%	2.6%	4.7%	-7.3%	-2.3%
5152	Cable and Other Subscription Programming	680	2.04	0.9%	4.7%	6.8%	2.3%	12.9%	1.7%
5182	Data Processing & Hosting	510	0.32	0.7%	-5.2%	8.1%	0.5%	-24.3%	7.0%
5112	Software Products	410	0.23	0.6%	-4.4%	3.7%	2.0%	3.3%	3.3%
5179	Other telecommunications	370	0.85	0.5%	-22.3%	-5.7%	1.5%	-28.1%	0.6%
6215	Medical and Diagnostic Laboratories	260	0.19	0.3%	5.3%	-3.9%	0.2%	2.1%	-3.0%
5172	Wireless Telecom Carriers	230	0.31	0.3%	16.5%	-14.1%	0.9%	11.4%	-3.3%
3254	Pharmaceuticals	90	0.06	0.1%	10.5%	-10.9%	0.5%	11.6%	-6.1%
3399	Misc. Manufacturing	60	0.04	0.1%	2.0%	6.4%	0.0%	6.3%	-3.7%
3241	Petroleum & Coal Products	50	0.09	0.1%	3.2%	6.5%	0.0%	-100.0%	#DIV/0!
2111	Oil & Gas Extraction	30	0.03	0.0%	8.7%	1.8%	0.0%	#DIV/0!	#DIV/0!
5174	Satellite Telecommunications	20	0.55	0.0%	16.0%	-78.1%	0.1%	17.6%	-77.8%
3353	Electrical Equipment	20	0.02	0.0%	4.9%	6.5%	0.0%	5.0%	-4.0%
3342	Communications Equipment	20	0.03	0.0%	24.1%	-12.7%	0.0%	14.4%	-14.1%
3341	Computer Equipment	10	0.02	0.0%	17.0%	32.3%	0.1%	8.5%	36.8%
3252	Resins & Synthetic Rubbers	10	0.02	0.0%	10.9%	-14.4%	0.0%	9.8%	-9.7%
3345	Precision Instruments	10	0.00	0.0%	0.0%	-21.6%	0.0%	-9.4%	-24.4%
3253	Pesticides & Fertilizers	10	0.03	0.0%	10.1%	-13.4%	0.0%	9.1%	-8.6%
3346	Magnetic & Optical Media	10	0.07	0.0%	-39.2%	-18.4%	0.0%	-43.1%	-22.2%
3311	Iron & Steel Products	10	0.01	0.0%	0.0%	0.0%	0.0%	26.6%	-8.2%
IFG	Advanced industries manufacturing	320	0.01	0.4%	3.5%	-3.3%	0.8%	-4.7%	-6.3%
	Advanced industries energy	1,140	0.34	1.5%	1.1%	2.6%	4.7%	-7.3%	-2.3%
	Advanced industries services	72,700	2.04	98.0%	3.7%	3.1%	94.5%	2.7%	4.2%
	<b>ADVANCED INDUSTRIES TOTAL</b>	<b>74,160</b>	<b>1.08</b>	<b>100.0%</b>	<b>3.6%</b>	<b>3.0%</b>	<b>100.0%</b>	<b>2.0%</b>	<b>3.8%</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.