

Rhode Island

Advanced industries employ

40,091

full-time workers. (2015)

These direct jobs supports an additional

32,070

indirect jobs in other industries in the region.

Advanced industries produce

\$5.9

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

Advanced industries pay, on average

\$73,918

dollars per year (2015).

Advanced industries directly account for

8.1%

of all jobs in the region.

This employment share is

#27

among all states.

This accounts for

11.6%

of all output in the region (2015).

This compares to average pay of

\$51,424

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOB

RANK:
#24

2.70%

RANK:
#17

2.70%

2.58%

2.46%

Rhode Island

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

www.brookings.edu/advancedindustries

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DATA NOTES

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

Rhode Island

Twenty-Five Largest Advanced Industries (2015)

There are 8 advanced industries in Rhode Island 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	6,570	1.03	16.4%	4.0%	7.0%	13.6%	5.2%	9.7%
3399	Misc. Manufacturing	4,380	4.63	10.9%	-5.8%	0.4%	7.0%	-11.0%	-0.9%
3366	Ships & Boats	4,100	9.09	10.2%	6.3%	12.0%	5.1%	2.9%	11.3%
5413	Engineering	3,750	0.79	9.3%	-0.9%	3.4%	7.5%	-2.0%	1.8%
5182	Data Processing & Hosting	2,640	2.63	6.6%	-3.5%	0.3%	6.1%	-4.7%	3.0%
5416	Management Consulting	2,520	0.59	6.3%	6.5%	4.7%	5.3%	3.7%	3.7%
3345	Precision Instruments	2,370	1.77	5.9%	-4.3%	-2.3%	6.1%	11.3%	-3.4%
3391	Medical Equipment & Supplies	1,380	1.34	3.4%	-0.8%	-1.8%	3.0%	-6.7%	-1.4%
3254	Pharmaceuticals	1,360	1.45	3.4%	2.5%	-2.2%	6.4%	7.4%	0.6%
6215	Medical and Diagnostic Laboratories	990	1.14	2.5%	-1.0%	-0.2%	1.4%	-2.1%	1.5%
5417	R&D Services	940	0.42	2.3%	5.5%	9.8%	2.7%	6.6%	10.0%
5112	Software Products	890	0.79	2.2%	4.7%	-5.1%	5.0%	5.4%	-0.2%
3359	Misc. Electrical Equipment	860	1.96	2.1%	-0.2%	-3.0%	2.4%	18.0%	-7.5%
3259	Misc. Chemicals	800	2.93	2.0%	-1.4%	0.8%	2.0%	1.3%	0.6%
3336	Engine & Power Equipment	690	2.00	1.7%	2.4%	2.3%	1.3%	5.6%	-2.4%
2211	Power Generation & Supply	640	0.48	1.6%	1.3%	2.1%	5.5%	-5.6%	-5.8%
5191	Web Search Portals and Internet Publishing	610	0.74	1.5%	5.9%	-2.5%	0.6%	2.6%	-4.4%
3365	Railroad Rolling Stock Manufacturing	450	4.68	1.1%	5.8%	11.7%	0.6%	3.5%	4.6%
3344	Semiconductors	440	0.35	1.1%	1.6%	-9.3%	1.2%	19.9%	-8.0%
5179	Other telecommunications	390	1.43	1.0%	-0.2%	-1.5%	5.3%	13.1%	11.5%
5172	Wireless Telecom Carriers	350	0.79	0.9%	6.8%	-5.6%	4.8%	25.0%	12.8%
3252	Resins & Synthetic Rubbers	330	1.04	0.8%	22.0%	5.1%	1.0%	26.2%	7.0%
3313	Aluminum Products	290	1.43	0.7%	4.2%	0.0%	0.4%	-13.7%	-7.2%
3311	Iron & Steel Products	280	0.93	0.7%	4.0%	0.2%	0.6%	-12.0%	-7.7%
3279	Stone & Mineral Products	270	1.08	0.7%	9.5%	6.3%	0.4%	10.5%	8.4%
IFG	Advanced industries manufacturing	19,810	1.06	49.4%	-0.3%	2.0%	42.0%	1.9%	-0.1%
	Advanced industries energy	640	0.30	1.6%	1.3%	2.1%	5.5%	-5.5%	-5.9%
	Advanced industries services	19,650	0.88	49.0%	1.9%	3.4%	52.5%	3.9%	6.0%
	ADVANCED INDUSTRIES TOTAL	40,090	0.93	100.0%	0.7%	2.7%	100.0%	2.3%	2.6%

† 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.