

Springfield, MA

Advanced industries employ

11,734

full-time workers. (2015)

These direct jobs supports an additional

9,390

indirect jobs in other industries in the region.

Advanced industries produce

\$3.0

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

Advanced industries pay, on average

\$82,532

dollars per year (2015).

Advanced industries directly account for

4.2%

of all jobs in the region.

This employment share is

#93

among all large metros.

This accounts for

10.1%

of all output in the region (2015).

This compares to average pay of

\$47,338

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

RANK:
#57

2.70%

JOBS

RANK:
#92

2.46%

2.46%

-0.97%

Springfield, MA

U.S.

Springfield, MA

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

VIEW THE FULL REPORT

www.brookings.edu/advancedindustries

SEE THE INTERACTIVE

www.brookings.edu/advancedindustries

FOLLOW US ON TWITTER

@BrookingsMetro | @MarkMuro1 | #AdvIndustries

DATA NOTES

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

Springfield, MA

Twenty-Five Largest Advanced Industries (2015)

There are 5 advanced industries in Springfield, MA 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
5413	Engineering	1,760	0.66	15.0%	3.2%	3.3%	10.1%	3.2%	4.1%
5416	Management Consulting	1,100	0.46	9.4%	6.0%	3.4%	7.1%	5.1%	5.0%
5415	Computer Systems Design	1,000	0.28	8.5%	11.4%	1.5%	7.6%	11.2%	6.9%
2211	Power Generation & Supply	890	1.19	7.6%	-1.2%	4.5%	17.0%	0.3%	-3.3%
3336	Engine & Power Equipment	740	3.81	6.3%	1.3%	-0.1%	3.0%	-2.1%	-1.4%
3399	Misc. Manufacturing	630	1.18	5.4%	-18.2%	-1.8%	4.7%	-19.3%	3.0%
3364	Aircraft Products & Parts	430	0.46	3.7%	1.9%	-6.0%	2.6%	-2.4%	-0.6%
3391	Medical Equipment & Supplies	390	0.67	3.3%	-4.4%	-3.6%	4.4%	-4.9%	4.4%
3341	Computer Equipment	360	1.17	3.1%	-7.0%	-13.7%	3.2%	-2.8%	-3.2%
3339	General Purpose Machinery	360	0.70	3.0%	5.4%	-0.4%	1.5%	-0.4%	-0.3%
3252	Resins & Synthetic Rubbers	340	1.90	2.9%	1.6%	-8.6%	4.9%	-2.4%	0.2%
3345	Precision Instruments	340	0.45	2.9%	3.5%	-0.9%	3.0%	14.3%	8.0%
3254	Pharmaceuticals	330	0.62	2.8%	-0.5%	-3.9%	6.0%	-2.9%	8.3%
3363	Motor Vehicle Parts	300	0.28	2.5%	2.6%	-6.1%	0.5%	-0.1%	3.7%
6215	Medical and Diagnostic Laboratories	290	0.59	2.5%	-3.6%	-0.5%	0.9%	-4.6%	-1.3%
3333	Commercial & Service Machinery	270	1.62	2.3%	0.0%	0.4%	1.1%	-10.3%	1.0%
5112	Software Products	220	0.35	1.9%	8.6%	-3.7%	6.2%	0.7%	3.9%
5172	Wireless Telecom Carriers	190	0.76	1.6%	20.9%	-6.5%	2.2%	16.4%	10.8%
5191	Web Search Portals and Internet Publishing	180	0.39	1.5%	12.4%	6.5%	1.3%	10.6%	21.5%
3344	Semiconductors	160	0.23	1.3%	-11.4%	-18.9%	3.7%	-9.9%	-1.9%
3343	Audio & Video Equipment	160	4.09	1.3%	-10.0%	-12.2%	1.6%	-4.7%	-0.9%
3279	Stone & Mineral Products	130	0.96	1.1%	-4.5%	4.8%	0.5%	3.2%	6.9%
5174	Satellite Telecommunications	130	8.56	1.1%	8.7%	-10.0%	0.1%	4.7%	21.1%
3359	Misc. Electrical Equipment	130	0.53	1.1%	-6.5%	1.6%	0.5%	-5.4%	9.9%
3315	Foundries	110	0.45	0.9%	-2.8%	1.9%	0.3%	-7.5%	8.1%
IFG	Advanced industries manufacturing	5,730	0.54	48.8%	-4.4%	-4.2%	45.6%	-5.9%	2.2%
	Advanced industries energy	890	0.75	7.6%	-1.2%	4.5%	17.0%	0.3%	-3.3%
	Advanced industries services	5,110	0.41	43.6%	5.0%	2.0%	37.4%	4.8%	5.7%
ADVANCED INDUSTRIES TOTAL		11,730	0.48	100.0%	-0.8%	-1.0%	100.0%	-1.4%	2.5%

† 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.