

Springfield, MA

Advanced industries employ

12,130

full-time workers. (2013)

These direct jobs supports an additional

9,700

indirect jobs in other industries in
the region.

Advanced industries produce

\$3.1

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

Advanced industries pay, on average

\$70,610

dollars per year (2013).

Advanced industries directly
account for

4.5%

of all jobs in the region.

This employment share is

#93

among all large metros.

This accounts for

10.4%

of all output in the region (2013).

This compares to average pay of

\$44,480

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-0.8%

0.5%

Springfield, MA

U.S.

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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.

Springfield, MA

Twenty-Five Largest Advanced Industries (2013)

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 (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
5413	Architecture & Engineering	1,630	0.63	13.4%	2.7%	10.1%	3.7%
5416	Management Consulting	1,060	0.47	8.7%	6.0%	6.8%	5.7%
5415	Computer Systems Design	1,010	0.31	8.3%	11.1%	7.9%	13.2%
2211	Power Generation & Supply	940	1.24	7.7%	-1.4%	19.4%	3.1%
3399	Misc. Manufacturing	840	1.59	6.9%	-17.3%	4.6%	-17.8%
3336	Engine & Power Equipment	710	3.65	5.9%	2.3%	3.8%	6.1%
3364	Aircraft Products & Parts	550	0.58	4.5%	1.2%	3.1%	-2.5%
3391	Medical Equipment & Supplies	550	0.94	4.5%	-1.4%	4.1%	-3.7%
3344	Semiconductors	450	0.62	3.7%	-13.5%	3.5%	-11.3%
3252	Resins & Synthetic Rubbers	430	2.43	3.5%	2.1%	5.0%	0.5%
3339	General Purpose Machinery	400	0.81	3.3%	4.4%	1.9%	8.1%
3345	Precision Instruments	290	0.39	2.4%	10.0%	2.3%	12.5%
3254	Pharmaceuticals	290	0.55	2.4%	-1.2%	5.1%	-1.2%
6215	Medical and Diagnostic Laboratories	280	0.59	2.3%	-4.4%	0.9%	-3.3%
3333	Commercial & Service Machinery	270	1.61	2.2%	-5.2%	1.3%	-3.0%
3341	Computer Equipment	250	0.83	2.1%	-6.2%	3.1%	-4.7%
5112	Software Products	250	0.43	2.0%	7.4%	5.6%	1.4%
3363	Motor Vehicle Parts	230	0.24	1.9%	6.1%	0.8%	28.0%
5172	Wireless Telecom Carriers	220	0.73	1.8%	12.7%	1.5%	18.2%
3343	Audio & Video Equipment	200	5.49	1.7%	-7.7%	1.4%	-6.4%
5191	Web Search Portals and Internet Publishing	160	0.42	1.3%	15.6%	0.9%	11.8%
3279	Stone & Mineral Products	120	0.92	1.0%	0.6%	0.5%	3.8%
3332	Industrial Machinery	110	0.54	0.9%	3.9%	0.6%	7.4%
3315	Foundries	90	0.38	0.8%	-6.3%	0.3%	-2.5%
3259	Misc. Chemicals	80	0.48	0.6%	-2.1%	0.7%	-4.4%
Advanced industries manufacturing		6,350	0.61	52.4%	-4.6%	45.1%	-3.9%
Advanced industries energy		940	0.77	7.8%	-1.4%	19.4%	3.1%
Advanced industries services		4,840	0.41	39.9%	5.3%	35.5%	5.8%
ADVANCED INDUSTRIES TOTAL		12,130	0.52	100.0%	-0.8%	100.0%	0.5%

† 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.