

## Cedar Rapids, IA

Advanced industries employ

**14,820**

full-time workers. (2013)

These direct jobs supports an additional

**11,860**

indirect jobs in other industries in  
the region.

Advanced industries produce

**\$2.4**

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

Advanced industries pay, on average

**\$70,380**

dollars per year (2013).

Advanced industries directly

account for

**10.2%**

of all jobs in the region.

This employment share is

**#46**

among all small metros.

This accounts for

**16.2%**

of all output in the region (2013).

This compares to average pay of

**\$45,620**

for all industries (2013).

Advanced industry annual average growth, 2010-2013

**JOBS**

2.7%

**OUTPUT**

3.8%

-0.6%

Cedar Rapids, IA

U.S.

-0.6%

Cedar Rapids, IA

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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### DATA NOTES

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

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## Twenty-Five Largest Advanced Industries (2013)

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
3345	Precision Instruments	2,080	5.14	14.0%	-3.4%	9.5%	-6.8%
2211	Power Generation & Supply	1,430	3.52	9.6%	-1.8%	23.8%	2.0%
5415	Computer Systems Design	1,150	0.66	7.8%	-4.6%	6.2%	-1.8%
3339	General Purpose Machinery	1,090	4.15	7.4%	-2.2%	4.6%	-10.7%
3344	Semiconductors	880	2.30	6.0%	5.4%	2.8%	3.7%
5182	Data Processing & Hosting	830	3.04	5.6%	22.0%	3.7%	20.4%
5413	Architecture & Engineering	820	0.59	5.5%	5.4%	3.5%	7.3%
5179	Other telecommunications	570	6.54	3.8%	-7.2%	5.4%	-5.5%
3331	Agri., Constr., Mining Machinery	460	1.80	3.1%	-13.8%	2.9%	-21.5%
3341	Computer Equipment	450	2.80	3.1%	-2.9%	1.6%	-4.6%
5172	Wireless Telecom Carriers	450	2.87	3.1%	-6.0%	2.6%	1.2%
5416	Management Consulting	410	0.34	2.8%	10.1%	1.9%	13.2%
3313	Aluminum Products	390	6.53	2.7%	-1.0%	1.4%	9.8%
3251	Basic Chemicals	360	2.44	2.4%	9.4%	7.4%	11.6%
3391	Medical Equipment & Supplies	350	1.11	2.4%	-1.7%	2.3%	-1.5%
3399	Misc. Manufacturing	300	1.05	2.0%	-8.0%	0.8%	-9.1%
3332	Industrial Machinery	300	2.70	2.0%	-1.7%	1.5%	-10.2%
3333	Commercial & Service Machinery	270	3.05	1.8%	46.4%	1.2%	20.5%
6215	Medical and Diagnostic Laboratories	240	0.96	1.6%	6.2%	0.8%	6.6%
3352	Household Appliances	210	3.50	1.4%	-3.0%	0.4%	-21.9%
3254	Pharmaceuticals	190	0.68	1.3%	8.3%	5.3%	12.4%
3363	Motor Vehicle Parts	180	0.35	1.2%	1.9%	0.8%	15.7%
3353	Electrical Equipment	170	1.17	1.2%	-4.4%	1.0%	-8.4%
5112	Software Products	160	0.52	1.1%	6.1%	2.3%	9.8%
3315	Foundries	160	1.20	1.0%	-0.4%	0.8%	8.7%
Advanced industries manufacturing		8,650	1.54	58.4%	-1.4%	49.3%	-3.2%
Advanced industries energy		1,430	2.18	9.6%	-1.8%	23.8%	2.0%
Advanced industries services		4,740	0.75	32.0%	1.3%	27.0%	2.6%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>14,820</b>	<b>1.17</b>	<b>100.0%</b>	<b>-0.6%</b>	<b>100.0%</b>	<b>-0.6%</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.