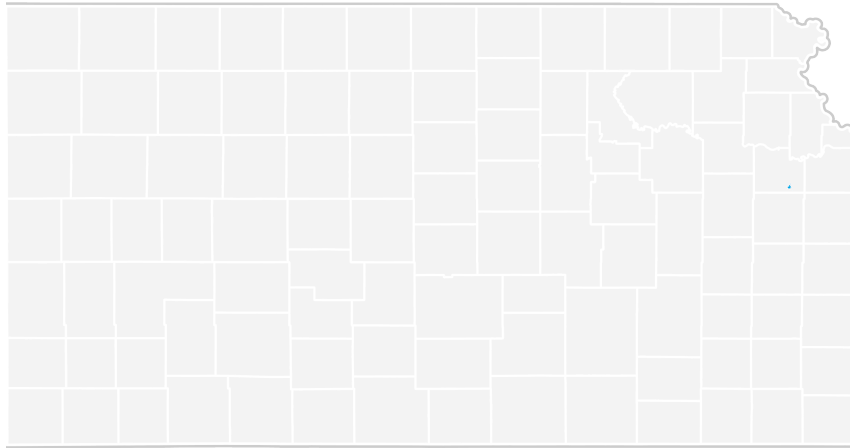


# Economic Overview

City of Baldwin City, KS



JOBS e Q

January 17, 2019

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# Demographic Profile

The population in the City of Baldwin City, KS was 4,599 per American Community Survey data for 2012-2016.

The region has a civilian labor force of 2,311 with a participation rate of 64.1%. Of individuals 25 to 64 in the City of Baldwin City, KS, 37.3% have a bachelor's degree or higher which compares with 31.8% in the nation.

The median household income in the City of Baldwin City, KS is \$51,640 and the median house value is \$158,200.

## Summary<sup>1</sup>

	Percent			Value		
	City of Baldwin City, KS	Kansas	USA	City of Baldwin City, KS	Kansas	USA
<b>Demographics</b>						
Population (ACS)	—	—	—	4,599	2,898,292	318,558,162
Male	48.1%	49.8%	49.2%	2,211	1,441,912	156,765,322
Female	51.9%	50.2%	50.8%	2,388	1,456,380	161,792,840
Median Age <sup>2</sup>	—	—	—	32.3	36.2	37.7
Under 18 Years	26.0%	24.9%	23.1%	1,196	721,347	73,612,438
18 to 24 Years	18.9%	10.3%	9.8%	870	298,450	31,296,577
25 to 34 Years	7.8%	13.3%	13.6%	358	384,327	43,397,907
35 to 44 Years	14.9%	11.9%	12.7%	684	345,603	40,548,400
45 to 54 Years	9.4%	12.8%	13.6%	434	370,189	43,460,466
55 to 64 Years	10.9%	12.5%	12.6%	499	362,849	40,061,742
65 to 74 Years	5.9%	7.8%	8.3%	272	226,565	26,355,308
75 Years, and Over	6.2%	6.5%	6.2%	286	188,962	19,825,324
Race: White	90.0%	85.2%	73.3%	4,139	2,468,923	233,657,078
Race: Black or African American	1.3%	5.8%	12.6%	58	167,706	40,241,818
Race: American Indian and Alaska Native	1.0%	0.8%	0.8%	44	23,871	2,597,817
Race: Asian	0.6%	2.7%	5.2%	26	77,605	16,614,625
Race: Native Hawaiian and Other Pacific Islander	0.2%	0.1%	0.2%	9	1,874	560,021
Race: Some Other Race	0.3%	2.1%	4.8%	13	62,283	15,133,856
Race: Two or More Races	6.7%	3.3%	3.1%	310	96,030	9,752,947
Hispanic or Latino (of any race)	5.1%	11.3%	17.3%	233	327,739	55,199,107
<b>Economic</b>						
Labor Force Participation Rate and Size (civilian population 16 years and over)	64.1%	66.5%	63.3%	2,311	1,487,918	159,807,099
Armed Forces Labor Force	0.4%	0.8%	0.4%	15	17,329	1,011,641
Veterans, Age 18-64	5.8%	5.8%	5.1%	164	101,810	10,165,671
Veterans Labor Force Participation Rate and Size, Age 18-64	82.3%	77.1%	75.4%	135	78,522	7,664,089
Median Household Income <sup>2</sup>	—	—	—	\$51,640	\$53,571	\$55,322

## Summary<sup>1</sup>

	Percent			Value		
	City of Baldwin City, KS	Kansas	USA	City of Baldwin City, KS	Kansas	USA
Per Capita Income	—	—	—	\$25,264	\$28,478	\$29,829
Poverty Level (of all people)	12.6%	13.3%	15.1%	490	373,162	46,932,225
Households Receiving Food Stamps	7.3%	9.1%	13.0%	108	101,588	15,360,951
Mean Commute Time (minutes)	—	—	—	27.3	19.2	26.1
Commute via Public Transportation	0.0%	0.5%	5.1%	0	7,169	7,476,312
<b>Educational Attainment, Age 25-64</b>						
No High School Diploma	4.5%	9.0%	11.6%	88	131,793	19,478,050
High School Graduate	30.5%	24.2%	26.1%	602	353,814	43,788,541
Some College, No Degree	24.4%	24.3%	21.5%	482	355,579	36,025,193
Associate's Degree	3.4%	9.1%	8.9%	67	133,120	14,962,488
Bachelor's Degree	25.9%	21.9%	20.2%	511	320,557	33,845,524
Postgraduate Degree	11.4%	11.5%	11.6%	225	168,105	19,368,719
<b>Housing</b>						
Total Housing Units	—	—	—	1,567	1,248,955	134,054,899
Median House Value (of owner-occupied units) <sup>2</sup>	—	—	—	\$158,200	\$135,300	\$184,700
Homeowner Vacancy	0.0%	1.8%	1.8%	0	13,924	1,395,797
Rental Vacancy	0.0%	7.5%	6.2%	0	30,727	2,855,844
Renter-Occupied Housing Units (% of Occupied Units)	35.0%	33.7%	36.4%	520	375,515	42,835,169
Occupied Housing Units with No Vehicle Available (% of Occupied Units)	6.1%	5.5%	9.0%	91	61,262	10,562,847
<b>Social</b>						
Enrolled in Grade 12 (% of total population)	1.3%	1.4%	1.4%	58	41,551	4,433,703
Disconnected Youth <sup>4</sup>	1.0%	2.3%	2.8%	6	3,720	485,589
Children in Single Parent Families (% of all children)	46.3%	30.1%	34.7%	530	208,054	24,318,038
With a Disability, Age 18-64	12.0%	10.6%	10.3%	339	182,150	20,188,257
With a Disability, Age 18-64, Labor Force Participation Rate and Size	44.2%	47.7%	41.0%	150	86,904	8,278,834
Foreign Born	2.3%	6.9%	13.2%	108	200,769	42,194,354
Speak English Less Than Very Well (population 5 yrs and over)	1.1%	4.5%	8.5%	49	120,905	25,440,956
<b>Union Membership</b>						
Total <sup>3</sup>	9.3%	8.1%	10.7%	—	—	—
Private Sector <sup>3</sup>	6.1%	5.8%	6.4%	—	—	—
Manufacturing <sup>3</sup>	6.4%	10.8%	8.7%	—	—	—
Public Sector <sup>3</sup>	16.2%	19.0%	35.1%	—	—	—

Source: [JobsEQ®](#)

1. American Community Survey 2012-2016, unless noted otherwise

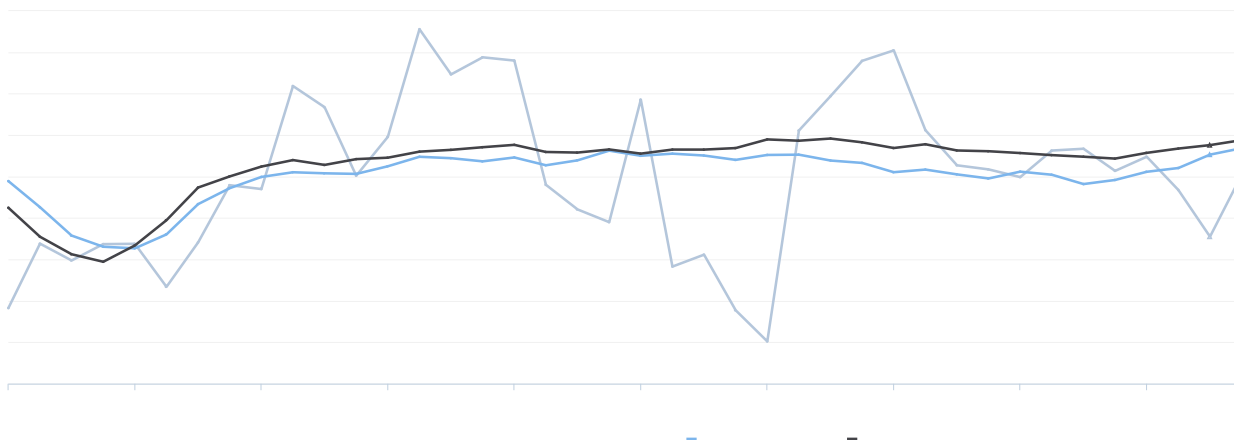
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

3. 2017; Current Population Survey, unionstats.com, and Chmura; county- and zip-level data are best estimates based upon industry-, MSA-, and state-level data

4. Disconnected Youth are 16-19 year olds who are (1) not in school, (2) not high school graduates, and (3) either unemployed or not in the labor force.

# Employment Trends

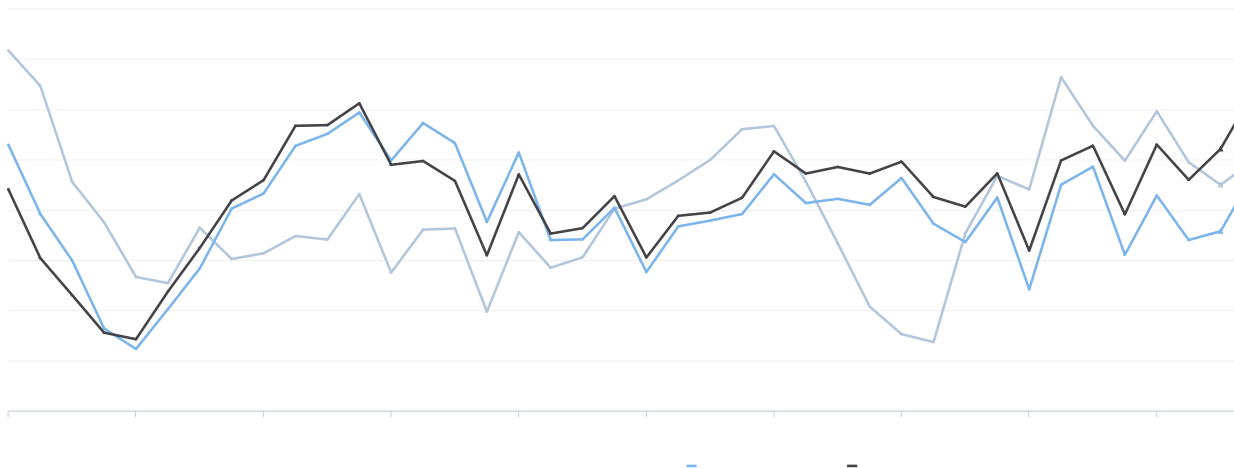
As of 2018Q3, total employment for the City of Baldwin City, KS was 1,906 (based on a four-quarter moving average). Over the year ending 2018Q3, employment increased 0.1% in the region.



Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2018Q1 with preliminary estimates updated to 2018Q3.

# Wage Trends

The average worker in the City of Baldwin City, KS earned annual wages of \$35,804 as of 2018Q3. Average annual wages per worker increased 3.0% in the region over the preceding four quarters. For comparison purposes, annual average wages were \$55,994 in the nation as of 2018Q3.



Annual average wages per worker data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2018Q1 with preliminary estimates updated to 2018Q3.



# Cost of Living Index

The Cost of Living Index estimates the relative price levels for consumer goods and services. When applied to wages and salaries, the result is a measure of relative purchasing power. The cost of living is 0.6% higher in City of Baldwin City, KS than the U.S. average.

## Cost of Living Information

	Annual Average Salary	Cost of Living Index (Base US)	US Purchasing Power
City of Baldwin City, KS	\$35,804	100.6	\$35,573
Kansas	\$45,643	92.1	\$49,545
USA	\$55,994	100.0	\$55,994

Source: [JobsEQ®](#)

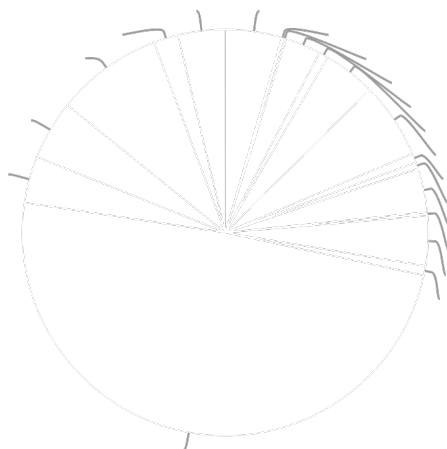
Data as of 2018Q3

Cost of Living per C2ER, data as of 2018q3, imputed by Chmura where necessary.



# Industry Snapshot

The largest sector in the City of Baldwin City, KS is Educational Services, employing 934 workers. The next-largest sectors in the region are Accommodation and Food Services (162 workers) and Retail Trade (116). High location quotients (LQs) indicate sectors in which a region has high concentrations of employment compared to the national average. The sectors with the largest LQs in the region are Educational Services (LQ = 5.99), Agriculture, Forestry, Fishing and Hunting (3.25), and Arts, Entertainment, and Recreation (2.37).



Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2018Q1 with preliminary estimates updated to 2018Q3.

Sectors in the City of Baldwin City, KS with the highest average wages per worker are Transportation and Warehousing (\$74,298), Wholesale Trade (\$67,115), and Finance and Insurance (\$62,182). Regional sectors with the best job growth (or most moderate job losses) over the last 5 years are Professional, Scientific, and Technical Services (+15 jobs), Agriculture, Forestry, Fishing and Hunting (+12), and Public Administration (+11).

Over the next 5 years, employment in the City of Baldwin City, KS is projected to expand by 59 jobs. The fastest growing sector in the region is expected to be Mining, Quarrying, and Oil and Gas Extraction with a +1.9% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Educational Services (+41 jobs), Health Care and Social Assistance (+6), and Professional, Scientific, and Technical Services (+4).

NAICS	Industry	Current			5-Year History		5-Year Forecast				
		Four Quarters Ending with 2018q3			Total Change	Avg Ann % Chg in Empl	Separations (Approximate)			---Growth---	
		Empl	Avg Ann Wages	LQ	Empl	Region	Total New Demand	Exits	Transfers	Empl	Avg Ann Rate
11	Agriculture, Forestry, Fishing and Hunting	86	\$18,446	3.25	12	3.1%	48	20	26	1	0.3%
21	Mining, Quarrying, and Oil and Gas Extraction	2	\$36,925	0.29	0	3.2%	2	0	1	0	1.9%
22	Utilities	4	\$46,526	0.44	2	11.9%	2	1	1	0	0.6%
23	Construction	54	\$44,115	0.50	-21	-6.3%	29	10	17	2	0.7%
31	Manufacturing	14	\$51,152	0.09	4	7.8%	7	3	5	-1	-0.9%
42	Wholesale Trade	79	\$67,115	1.08	-1	-0.3%	40	16	26	-1	-0.3%
44	Retail Trade	116	\$23,731	0.57	-6	-1.0%	76	34	43	0	-0.1%
48	Transportation and Warehousing	14	\$74,298	0.17	4	6.9%	7	3	4	0	-0.6%
51	Information	10	\$44,227	0.26	3	7.3%	4	2	3	-1	-2.2%
52	Finance and Insurance	66	\$62,182	0.88	6	2.0%	30	12	19	-1	-0.2%
53	Real Estate and Rental and Leasing	5	\$39,660	0.16	-2	-6.9%	3	1	1	0	0.5%
54	Professional, Scientific, and Technical Services	76	\$46,241	0.60	15	4.4%	37	12	21	4	0.9%
56	Administrative and Support and Waste Management and Remediation Services	14	\$28,567	0.11	0	0.7%	9	4	5	1	0.9%
61	Educational Services	934	\$31,192	5.99	-9	-0.2%	481	212	228	41	0.9%
62	Health Care and Social Assistance	71	\$34,345	0.26	-5	-1.3%	41	17	18	6	1.7%
71	Arts, Entertainment, and Recreation	90	\$19,942	2.37	7	1.6%	67	29	35	3	0.7%
72	Accommodation and Food Services	162	\$15,341	0.94	1	0.1%	136	59	74	4	0.5%
81	Other Services (except Public Administration)	37	\$27,488	0.45	-17	-7.1%	21	10	12	0	-0.1%
92	Public Administration	71	\$47,091	0.80	11	3.5%	33	14	19	0	0.1%
	<b>Total - All Industries</b>	<b>1,906</b>	<b>\$35,804</b>	<b>1.00</b>	<b>5</b>	<b>0.1%</b>	<b>1,114</b>	<b>452</b>	<b>603</b>	<b>59</b>	<b>0.6%</b>

Source: [JobsEQ®](#)

Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2018Q1 with preliminary estimates updated to 2018Q3. Forecast employment growth uses national projections adapted for regional growth patterns.

# Occupation Snapshot

The largest major occupation group in the City of Baldwin City, KS is Education, Training, and Library Occupations, employing 469 workers. The next-largest occupation groups in the region are Office and Administrative Support Occupations (258 workers) and Food Preparation and Serving Related Occupations (195). High location quotients (LQs) indicate occupation groups in which a region has high concentrations of employment compared to the national average. The major groups with the largest LQs in the region are Education, Training, and Library Occupations (LQ = 4.40), Arts, Design, Entertainment, Sports, and Media Occupations (2.12), and Life, Physical, and Social Science Occupations (1.57).

Occupation groups in the City of Baldwin City, KS with the highest average wages per worker are Management Occupations (\$85,900), Computer and Mathematical Occupations (\$77,500), and Healthcare Practitioners and Technical Occupations (\$73,800). The unemployment rate in the region varied among the major groups from 1.3% among Management Occupations to 5.5% among Food Preparation and Serving Related Occupations.

Over the next 5 years, the fastest growing occupation group in the City of Baldwin City, KS is expected to be Community and Social Service Occupations with a +1.5% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Education, Training, and Library Occupations (+26 jobs) and Management Occupations (+6). Over the same period, the highest separation demand (occupation demand due to retirements and workers moving from one occupation to another) is expected in Education, Training, and Library Occupations (202 jobs) and Food Preparation and Serving Related Occupations (169).

Occupation Snapshot in City of Baldwin City, KS, 2018q3

SOC	Occupation	Current					5-Year History		5-Year Forecast				
		Four Quarters Ending with 2018q3			-----2018q3-----		Total Change	Avg Ann % Chg in Empl	Total New Demand	--Separations--		---Growth---	
		Empl	Avg Ann Wages <sup>1</sup>	LQ	Unempl	Unempl Rate				Empl	Region	Exits	Transfer
11-0000	Management	164	\$85,900	1.43	2	1.3%	5	0.6%	69	31	33	6	0.7%
13-0000	Business and Financial Operations	71	\$63,400	0.72	2	2.6%	-4	-1.1%	35	11	21	3	0.7%
15-0000	Computer and Mathematical	42	\$77,500	0.76	1	2.2%	1	0.3%	17	4	11	2	1.1%
17-0000	Architecture and Engineering	11	\$71,200	0.32	0	n/a	2	3.4%	4	1	2	0	0.7%
19-0000	Life, Physical, and Social Science	25	\$61,000	1.57	0	n/a	-1	-0.4%	13	3	8	1	0.9%
21-0000	Community and Social Service	29	\$41,200	0.96	1	2.0%	-2	-1.4%	19	6	10	2	1.5%
23-0000	Legal	5	\$73,500	0.35	0	n/a	0	0.7%	2	1	1	0	0.9%
25-0000	Education, Training, and Library	469	\$54,200	4.40	7	4.3%	-2	-0.1%	227	103	99	26	1.1%
27-0000	Arts, Design, Entertainment, Sports, and Media	72	\$34,900	2.12	1	2.3%	10	3.0%	45	18	24	3	0.8%

### Occupation Snapshot in City of Baldwin City, KS, 2018q3

SOC	Occupation	Current					5-Year History		5-Year Forecast				
		Four Quarters Ending with 2018q3			-----2018q3-----		Total Change	Avg Ann % Chg in Empl	Total New Demand	--Separations--		---Growth---	
		Empl	Avg Ann Wages <sup>1</sup>	LQ	Unempl	Unempl Rate				Empl	Region	Exits	Transfer
29-0000	Healthcare Practitioners and Technical	52	\$73,800	0.48	1	1.5%	1	0.2%	17	7	7	3	1.1%
31-0000	Healthcare Support	21	\$28,400	0.39	2	3.4%	-2	-1.6%	14	6	6	1	1.1%
33-0000	Protective Service	35	\$42,300	0.85	1	1.9%	3	1.6%	21	10	10	1	0.4%
35-0000	Food Preparation and Serving Related	195	\$24,700	1.19	13	5.5%	-3	-0.3%	174	76	93	6	0.6%
37-0000	Building and Grounds Cleaning and Maintenance	74	\$28,700	1.09	3	4.2%	2	0.6%	49	22	24	3	0.7%
39-0000	Personal Care and Service	57	\$25,200	0.77	4	4.1%	-4	-1.2%	53	24	26	3	1.0%
41-0000	Sales and Related	126	\$37,700	0.65	8	3.6%	-4	-0.6%	89	39	49	0	0.0%
43-0000	Office and Administrative Support	258	\$33,900	0.92	14	3.6%	3	0.2%	137	67	74	-5	-0.4%
45-0000	Farming, Fishing, and Forestry	16	\$28,600	1.31	0	n/a	5	7.7%	12	3	9	0	-0.3%
47-0000	Construction and Extraction	49	\$43,500	0.56	3	3.3%	-12	-4.2%	27	9	16	2	0.7%
49-0000	Installation, Maintenance, and Repair	52	\$44,900	0.71	1	1.8%	-3	-1.1%	26	9	16	1	0.4%
51-0000	Production	29	\$35,700	0.25	4	3.4%	6	4.9%	15	6	10	-1	-0.4%
53-0000	Transportation and Material Moving	53	\$34,500	0.41	5	4.0%	5	2.0%	31	14	17	0	-0.2%
	<b>Total - All Occupations</b>	<b>1,906</b>	<b>\$46,800</b>	<b>1.00</b>	<b>n/a</b>	<b>n/a</b>	<b>5</b>	<b>0.1%</b>	<b>1,093</b>	<b>469</b>	<b>567</b>	<b>57</b>	<b>0.6%</b>

Source: [JobsEQ®](#)

Data as of 2018Q3 unless noted otherwise

Note: Figures may not sum due to rounding.

1. Occupation wages are as of 2017 and should be taken as the average for all Covered Employment

Occupation employment data are estimated via industry employment data and the estimated industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2018Q1, imputed where necessary with preliminary estimates updated to 2018Q3. Wages by occupation are as of 2017 provided by the BLS and imputed where necessary. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

# Industry Clusters

A cluster is a geographic concentration of interrelated industries or occupations. The industry cluster in the City of Baldwin City, KS with the highest relative concentration is Education with a location quotient of 5.09. This cluster employs 966 workers in the region with an average wage of \$31,111. Employment in the Education cluster is projected to expand in the region about 0.8% per year over the next ten years.



Location quotient and average wage data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics, imputed where necessary, and updated through 2018Q1 with preliminary estimates updated to 2018Q3. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

# Education Levels

Expected growth rates for occupations vary by the education and training required. While all employment in the City of Baldwin City, KS is projected to grow 0.6% over the next ten years, occupations typically requiring a postgraduate degree are expected to grow 1.4% per year, those requiring a bachelor's degree are forecast to grow 0.8% per year, and occupations typically needing a 2-year degree or certificate are expected to grow 0.8% per year.



Employment by occupation data are estimates as of 2018Q3. Education levels of occupations are based on BLS assignments. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

# FAQ

## What is a location quotient?

A location quotient (LQ) is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

## What is separation demand?

Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. The total projected demand for an occupation is the sum of the separation demand and the growth demand (which is the increase or decrease of jobs in an occupation expected due to expansion or contraction of the overall number of jobs in that occupation).

## What is a cluster?

A cluster is a geographic concentration of interrelated industries or occupations. If a regional cluster has a location quotient of 1.25 or greater, the region is considered to possess a *competitive advantage* in that cluster.

## What is the difference between industry wages and occupation wages?

Industry wages and occupation wages are estimated via separate data sets, often the time periods being reported do not align, and wages are defined slightly differently in the two systems (for example, certain bonuses are included in the industry wages but not the occupation wages). It is therefore common that estimates of the average industry wages and average occupation wages in a region do not match exactly.

## What is NAICS?

The North American Industry Classification System (NAICS) is used to classify business establishments according to the type of economic activity. The NAICS Code comprises six levels, from the “all industry” level to the 6-digit level. The first two digits define the top level category, known as the “sector,” which is the level examined in this report.

## What is SOC?

The Standard Occupational Classification system (SOC) is used to classify workers into occupational categories. All workers are classified into one of over 820 occupations according to their occupational definition. To facilitate classification, occupations are combined to form 23 major groups, 96 minor groups, and 449 occupation groups. Each occupation group includes detailed occupations requiring similar job duties, skills, education, or experience.

## About This Report

This report and all data herein were produced by JobsEQ®, a product of Chmura Economics & Analytics. The information contained herein was obtained from sources we believe to be reliable. However, we cannot guarantee its accuracy and completeness.