

Calculating a Path for Attainment Growth in Kansas

September 2016

In AY2015, a total of 35,840 undergraduate degrees and technical certificates were awarded throughout the public higher education system in Kansas. Of these, 15,807 were produced by universities, 15,916 were produced by community colleges, and 4,117 were produced by technical colleges.

Georgetown University's Center on Education and the Workforce concludes Kansas ranks 13th in terms of the proportion of its 2018 jobs that will require a bachelor's degree, which is estimated to be 40% of the additional credentials Kansas postsecondary institutions need to award over the next four years. The remaining 60% will need to be associate degrees and technical certificates. To reach this goal by 2020, it has been projected that Kansas must increase the total number of degrees awarded annually to at least 53,000 undergraduate degrees and certificates.

Today, the gap between current production and the goal is approximately 13,000 awards, and workforce development predictions suggest of those, 5,200 need to be additional bachelor's degrees and 7,800 need to be additional associate degrees and/or technical certificates.

In AY2015, independent universities and colleges in Kansas awarded 4,445 undergraduate degrees, including 88 certificates, 452 associate degrees and 3,905 bachelor's degrees. If the same 32% growth is assigned to this sector (the current gap), an increase of 1,420 awards may be expected (ideally: 570 additional bachelor's degrees and 852 additional associate degrees if the growth follows the Georgetown University recommendations of 40/60).

Making this assumption, the number of bachelor's degrees the public sector needs to contribute is reduced to approximately 4,630 bachelor's degrees and 6,950 associate degrees and/or technical certificates.

Bachelor's Degrees

The percent each university currently contributes was calculated by averaging production from the past three years (2013, 2014, and 2015) and then multiplying the percentage a given institution carries of the current total against the **4,630 additional bachelor's awards needed** to determine the increased number of bachelor's degrees each university would need to award in order for our system to make this goal:

	Current Award Production (3yr/average)	Percent of Sector Total	Increase Total	Increase Total per year (2017-2020)
Emporia State University	746	4.66%	216	54
Fort Hays State University	2,711	16.94%	784	196
Kansas State University	4,009	25.05%	1,160	290
Pittsburg State University	1,156	7.22%	334	84
University of Kansas	4,058	25.36%	1,174	293
University of Kansas Medical Center	218	1.36%	63	16
Wichita State University	2,120	13.25%	613	153

Washburn University (<i>Bachelor's Degrees</i>)	986	6.16%	285	71
Washburn University (<i>Associate Degrees</i>)	108	0.55%	38	10

Associate Degrees and Technical Certificates

The same methodology was applied to the two-year sector, calculating a 3-year average for each institution and the percent each college currently contributes, which was then multiplied against the number needed to determine the increase each college would need to award.

To meet the goal, **an additional 5,551 degrees** will be needed from Community Colleges:

	Current Award Production (3yr/average)	Percent of Sector Total	Increase Total	Increase Total per year (2017-2020)
Allen Community College	487	2.48%	172	43
Barton Community College	946	4.82%	335	84
Butler Community College	1,463	7.45%	518	129
Cloud County Community College	611	3.11%	216	54
Coffeyville Community College	528	2.69%	187	47
Colby Community College	324	0.91%	63	16
Cowley County Community College	911	4.64%	323	81
Dodge City Community College	414	2.11%	147	37
Fort Scott Community College	613	3.12%	217	54
Garden City Community College	502	2.56%	178	44
Highland Community College	639	3.26%	226	57
Hutchinson Community College	1,465	7.46%	519	130
Independence Community College	267	1.36%	95	24
Johnson County Community College	2,968	15.12%	1,051	263
Kansas City Kansas Community College	1,270	6.47%	450	112
Labette Community College	417	2.12%	148	37
Neosho County Community College	990	5.04%	350	88
Pratt Community College	531	2.70%	188	47
Seward County Community College	474	2.41%	168	42

To meet the goal, **an additional 1,361 degrees** will be needed from Technical Colleges:

Flint Hills Technical College	488	2.49%	173	43
Manhattan Area Technical College	387	1.97%	137	34
North Central Kansas Technical College	474	2.41%	168	42
Northwest Kansas Technical College	257	1.31%	91	23
Salina Area Technical College	449	2.29%	159	40
Washburn Institute of Technology	1,087	5.54%	385	96
Wichita Area Technical College	1,035	5.27%	366	92

A discussion is scheduled for the September 14 meeting of the System Council of Presidents, with the intention of having confirmed growth goals by institution/sector for review at the November 2016 meeting.