

May 8, 2019

MEMORANDUM

TO: State Board of Regents

FROM: David L. Buhler

SUBJECT: USHE – Enrollment Forecasts

Issue

Annually, USHE institutions update their respective 10-year enrollment forecast estimates for Board review and approval. These estimates are prepared to help inform Regents and state-level policymakers about future enrollment levels at USHE institutions, assist in identifying capital development needs, and develop mid- to long-range operation plans.

Background

In order to recognize their distinct missions and goals, the USHE institutions have each developed a unique projection model to estimate future enrollments. When comparing the enrollment projection made in 2018 to last year's reported data, the fall end-of-term 2018 headcount projections were overstated by 1,279 students (difference of .7%), fall end-of-term FTE projections were overstated by 757 FTE (difference of .6%) and the 2017-18 annualized FTE projections were overstated by 1,555 FTE (difference of 1.1%). Institutions continue to refine their estimation models for the 2019 projection data sets.

The enrollment projection models use state and institutional data sets that include (but are not limited to) variables such as Utah population by age (Kem C. Gardner Policy Institute, Utah Population Committee) high school enrollments (Utah State Board of Education), and unemployment estimates (Bureau of Labor Statistics). The models used estimation methods such as Least Squared Regression Models, Bayesian Structural Time Series Analysis, Weighted Growth Models and Trend Analysis to estimate future enrollments. The institution's enrollment projection model is evaluated annually in an open, peer review forum of Institutional Research professionals from each of the eight USHE institutions. This year's discussion occurred on April 11, 2019. The data presented in each of these models were accepted as valid for each of the eight USHE institutions.

The revised estimates project approximately 232,000 students (161,000 FTE) by the fall 2028 semester, with an annualized enrollment of 169,900 full-time equivalent students for the 2028-29 academic year. These projections represent an increase of approximately 43,000 (34,000 Annualized FTE) students enrolled at USHE institutions over the next 10 years (figure 1).

The attached tables display these projections on an institution-by-institution basis. These estimates may be used in concert with additional data points when conducting mid to long-range planning.

Commissioner's Recommendation

The Commissioner recommends the Board approve the 10-year enrollment projections for the Utah System of Higher Education.

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David L. Buhler  
Commissioner of Higher Education

DLB/CJM/JAC  
Attachments

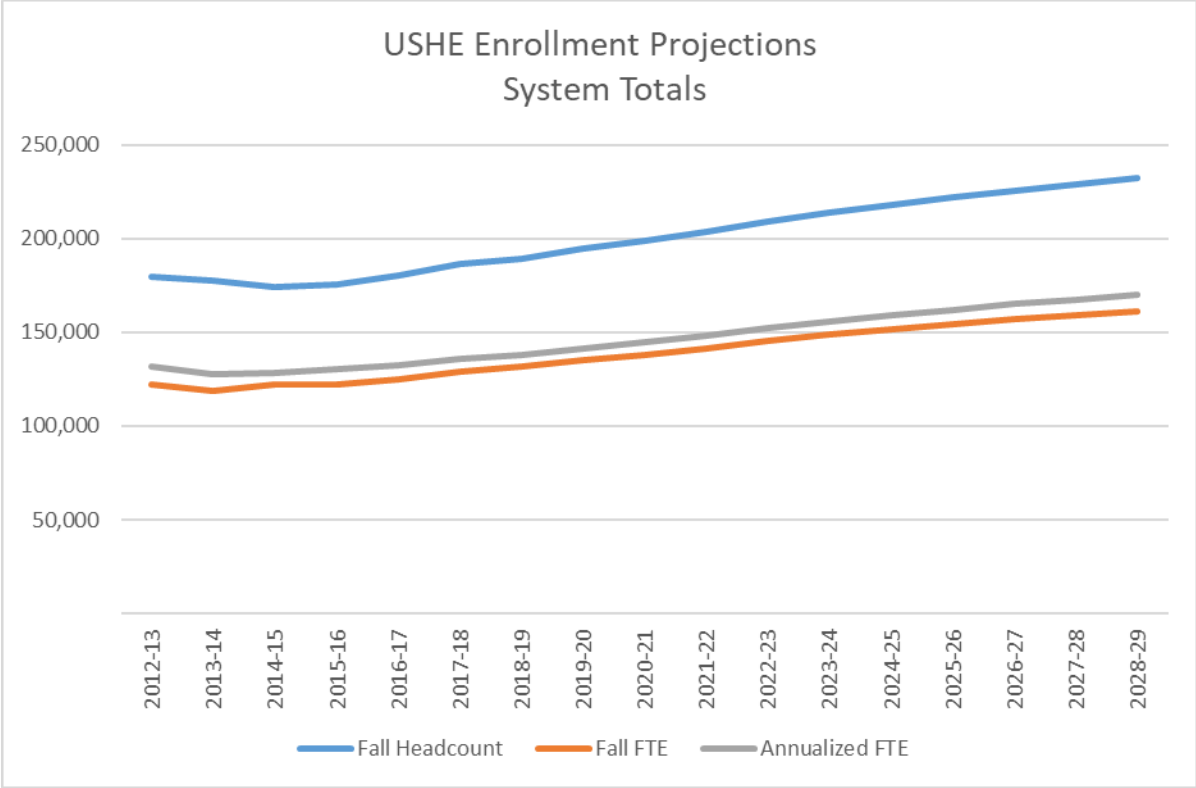


Figure 1 – USHE Projected Enrollment Trends

Enrollment Projections

Utah System of Higher Education

System Total Projections - Proposed to Board of Regents, May 2019

Fall (End of Term) Headcount												
Institution	Actual 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Growth Rate
University of Utah	33,369	33,750	34,342	34,997	35,610	36,050	36,571	36,873	37,086	37,266	37,324	
Annual Growth	0.7%	1.1%	1.8%	1.9%	1.8%	1.2%	1.4%	0.8%	0.6%	0.5%	0.2%	1.1%
Utah State University*	29,367	29,690	30,135	30,738	31,353	31,980	32,620	33,272	33,937	34,616	35,308	
Annual Growth	1.2%	1.1%	1.5%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	1.9%
Weber State University	28,700	28,999	29,674	30,333	31,003	31,443	31,784	32,055	32,380	32,709	33,073	
Annual Growth	1.1%	1.0%	2.3%	2.2%	2.2%	1.4%	1.1%	0.9%	1.0%	1.0%	1.1%	1.4%
Southern Utah University	10,772	11,318	11,873	12,416	13,031	13,636	14,218	14,828	15,508	16,214	16,973	
Annual Growth	5.1%	5.1%	4.9%	4.6%	5.0%	4.6%	4.3%	4.3%	4.6%	4.5%	4.7%	4.7%
Snow College	5,574	5,675	5,727	5,779	5,829	5,880	5,931	5,983	6,036	6,089	6,143	
Annual Growth	- 0.3%	1.8%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	1.0%
Dixie State University	9,986	10,811	11,521	12,141	12,794	13,215	13,665	14,096	14,520	14,890	15,340	
Annual Growth	2.9%	8.3%	6.6%	5.4%	5.4%	3.3%	3.4%	3.2%	3.0%	2.6%	3.0%	4.4%
Utah Valley University	40,471	42,678	44,152	45,682	47,270	48,920	50,583	52,332	53,733	54,849	55,836	
Annual Growth	7.1%	5.5%	3.5%	3.5%	3.5%	3.5%	3.4%	3.5%	2.7%	2.1%	1.8%	3.3%
Salt Lake Community College	30,940	31,527	31,419	31,469	31,832	32,462	32,552	32,557	32,490	32,395	32,219	
Annual Growth	- 4.1%	1.9%	- 0.3%	0.2%	1.2%	2.0%	0.3%	0.0%	- 0.2%	- 0.3%	- 0.5%	0.4%
USHE Totals	189,179	194,448	198,844	203,555	208,722	213,586	217,923	221,997	225,690	229,027	232,216	
Annual Growth	1.6%	2.8%	2.3%	2.4%	2.5%	2.3%	2.0%	1.9%	1.7%	1.5%	1.4%	2.1%

Enrollment Projections

Utah System of Higher Education

System Total Projections - Proposed to Board of Regents, May 2019

Fall Semester (End-of-Term) Full Time Equivalent												
Institution	Actual 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Growth Rate
University of Utah	28,594	29,068	29,611	30,181	30,745	31,124	31,574	31,835	32,019	32,174	32,225	
Annual Growth	1.4%	1.7%	1.9%	1.9%	1.9%	1.2%	1.4%	0.8%	0.6%	0.5%	0.2%	1.2%
Utah State University*	23,153	23,431	23,782	24,258	24,743	25,238	25,743	26,258	26,783	27,318	27,865	
Annual Growth	1.5%	1.2%	1.5%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	1.9%
Weber State University	17,465	17,580	18,026	18,514	18,990	19,302	19,551	19,768	20,015	20,253	20,505	
Annual Growth	1.4%	0.7%	2.5%	2.7%	2.6%	1.6%	1.3%	1.1%	1.3%	1.2%	1.2%	1.6%
Southern Utah University	8,268	8,654	9,044	9,433	9,874	10,316	10,741	11,193	11,717	12,249	12,758	
Annual Growth	6.5%	4.7%	4.5%	4.3%	4.7%	4.5%	4.1%	4.2%	4.7%	4.5%	4.2%	4.4%
Snow College	4,022	4,059	4,097	4,135	4,173	4,212	4,251	4,291	4,321	4,362	4,403	
Annual Growth	- 1.8%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0.9%
Dixie State University	7,539	8,216	8,756	9,227	9,724	10,043	10,385	10,713	11,035	11,317	11,658	
Annual Growth	1.9%	9.0%	6.6%	5.4%	5.4%	3.3%	3.4%	3.2%	3.0%	2.6%	3.0%	4.5%
Utah Valley University	26,770	27,876	28,873	29,940	31,006	31,944	32,868	33,834	34,473	34,997	35,550	
Annual Growth	6.2%	4.1%	3.6%	3.7%	3.6%	3.0%	2.9%	2.9%	1.9%	1.5%	1.6%	2.9%
Salt Lake Community College	15,621	15,917	15,863	15,888	16,071	16,390	16,435	16,437	16,403	16,355	16,267	
Annual Growth	- 4.1%	1.9%	- 0.3%	0.2%	1.2%	2.0%	0.3%	0.0%	- 0.2%	- 0.3%	- 0.5%	1.0%
USHE Totals	131,432	134,802	138,052	141,576	145,326	148,570	151,548	154,329	156,767	159,026	161,230	
Annual Growth	1.9%	2.6%	2.4%	2.6%	2.6%	2.2%	2.0%	1.8%	1.6%	1.4%	1.4%	2.1%

Enrollment Projections

Utah System of Higher Education

System Total Projections - Proposed to Board of Regents, May 2019

Annualized FTE - Academic Year													
Institution	Actual 2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	Growth Rate
University of Utah	30,693	31,100	31,576	32,198	32,780	33,318	33,730	34,218	34,500	34,700	34,868	34,922	
Annual Growth	1.1%	1.3%	1.5%	2.0%	1.8%	1.6%	1.2%	1.4%	0.8%	0.6%	0.5%	0.2%	1.2%
Utah State University*	23,513	23,725	23,962	24,321	24,808	25,304	25,810	26,326	26,853	27,390	27,938	28,496	
Annual Growth	- 0.3%	0.9%	1.0%	1.5%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	1.8%
Weber State University	18,069	18,096	18,333	18,767	19,283	19,772	20,090	20,346	20,578	20,839	21,081	21,331	
Annual Growth	3.6%	0.1%	1.3%	2.4%	2.7%	2.5%	1.6%	1.3%	1.1%	1.3%	1.2%	1.2%	1.5%
Southern Utah University	8,240	8,881	9,249	9,642	10,061	10,512	10,917	11,376	11,838	12,322	12,822	13,319	
Annual Growth	4.1%	7.8%	4.1%	4.3%	4.3%	4.5%	3.8%	4.2%	4.1%	4.1%	4.1%	3.9%	4.5%
Snow College	3,915	3,861	3,896	3,933	3,969	4,006	4,044	4,081	4,119	4,148	4,187	4,227	
Annual Growth	- 0.4%	- 1.4%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.7%	0.9%	0.9%	0.7%
Dixie State University	7,298	7,414	8,108	8,641	9,106	9,596	9,911	10,248	10,572	10,890	11,168	11,505	
Annual Growth	7.2%	1.6%	9.4%	6.6%	5.4%	5.4%	3.3%	3.4%	3.2%	3.0%	2.6%	3.0%	4.2%
Utah Valley University	26,464	27,771	28,738	29,806	30,917	32,072	33,275	34,460	35,616	36,634	37,510	38,280	
Annual Growth	5.6%	4.9%	3.5%	3.7%	3.7%	3.7%	3.8%	3.6%	3.4%	2.9%	2.4%	2.1%	3.4%
Salt Lake Community College	17,659	17,164	17,490	17,430	17,457	17,659	18,009	18,058	18,061	18,024	17,971	17,874	
Annual Growth	1.3%	- 2.8%	1.9%	- 0.3%	0.2%	1.2%	2.0%	0.3%	0.0%	- 0.2%	- 0.3%	- 0.5%	0.1%
USHE Totals	135,851	138,012	141,352	144,738	148,381	152,240	155,785	159,114	162,137	164,947	167,545	169,954	
Annual Growth	2.5%	1.6%	2.4%	2.4%	2.5%	2.6%	2.3%	2.1%	1.9%	1.7%	1.6%	1.4%	2.1%

\* Utah State projection data does not include enrollments at USUE-DWS campus