



## MEMORANDUM

To: Members of the Joint Budget Committee, House Education Committee, and Senate Education Committee

From: Nancy McCallin, President, Colorado Community College System

Date: February 16, 2018

Re: 47<sup>th</sup> Annual Career Technical Act (CTA) Report for Fiscal Year 2016-2017

This report contains accountability information concerning career and technical education (CTE) in the public school districts of Colorado for the 2016-17 year. CCCS respectfully submits this report to those who may require the information, which may include the Joint Budget Committee and House and Senate Education Committees in previous compliance with the State Career Technical Act of 2008 (formerly the Colorado Vocational Act of 1970).

The CTE programs offered through Colorado's high schools are an important part of the comprehensive delivery system of CTE in the state. These programs are fundamental to the economic vitality and future development of local communities and the State of Colorado. CTE has strong ties to the community, business and industry. More than 5,000 community and business leaders serve on advisory committees and councils supporting CTE programs.

The general assembly provided \$26,164,481.00 to assist 153 school districts and charter schools in funding nearly 1,300 secondary CTE programs that were reported from the 2016-17 school year. Statewide, there were 133,585 total high school secondary CTE student enrollments (103,802 individual secondary CTE students) in 153 public school districts, eight technical centers, and three area technical colleges. In addition, there were 27,254 total middle school CTE student enrollments in 73 public school districts.

**Students Served:** Of the 133,585 total secondary CTE enrollments, 33% were identified as economically disadvantaged and 9% as disabled. Minority students represented 42% of total CTE students. Over 30,000 students mastered leadership & workforce readiness skills through participation in nine CTE student organizations as state affiliated members. Of the total 9<sup>th</sup>-12<sup>th</sup> grade secondary students in Colorado 37% were enrolled in at least one CTE program in 2016-17. The information above is based on duplicated headcount data. The unduplicated headcount within a career cluster are listed in Exhibit 1.

**Job Placement:** In 2016-17, there were 71,523 total CTE program completers. Of the 2016-17 program completers who were seeking employment and who schools were able to contact, 88% of those seeking jobs had obtained employment within a year following program completion. The information above is based on duplicated headcount within a career cluster. Exhibit 1 shows the unduplicated headcount data.

**Colorado's Investment in CTE:** Over the last 40+ years, appropriations for the Career Technical Act have dropped in proportion to the dramatic increase of the actual cost of CTE programs. In 1971-72, the General Assembly provided just over 58 percent of the actual cost of CTE programs (Actual cost: \$11.16 million, state funding: \$6.5 million). In 2016-17, the General Assembly provided 22% of the actual cost of CTE programs. (Actual cost from FY16 reported expenses: \$116,520,500, state funding: \$26,164,481).

**Colorado Career Clusters & Pathways:** With the passage of the reauthorization of the federal Perkins Act in 2006, Colorado updated its CTE program areas to reflect the national movement toward Career Clusters and Career Pathways. Colorado grouped the Career Clusters into 6 Industry Sectors that reflect the unique economy of Colorado.

Colorado CTE is designed to help students, young and experienced, choose a career path, pick the learning needed, build the right skills and knowledge, and get into a great job in a field they will love. CTE programs are organized around 17 Career Clusters and 82 Career Pathways opening opportunities for all students to pursue their passion.

Additionally, CCCS approves special programs for at-risk students called Alternative Cooperative Education (ACE) programs. A few CTE programs, called Multi-Occupational programs, are for small high schools that do not have sufficient enrollment to justify specialized CTE programs.

Exhibit 1 depicts unduplicated secondary headcount data within each cluster. A student may count in multiple clusters because he/she takes a CTE course in various clusters in an academic year. Many students choose to take more than one CTE class each year and when all of the 2016-17 students are counted within each class, enrollment is at 133,585. When duplication across and within clusters is removed from the data, there were 103,802 individual secondary students enrolled.

Including administrative costs for districts, Colorado spent over \$116 million educating secondary and middle students in CTE programs. This breaks down to an average cost per student FTE of \$7342 for the 2016-17 year.<sup>1</sup> CTA funding helps to offset one quarter (\$26 million) of the cost of these important programs. This investment helps Colorado maintain high-quality career and technical education programs that produce workers who are ready for high-skill careers.

Exhibit 1: Fiscal year 2016-17 CTE Student and Cost Information

FY 2016-17 Colorado Career Clusters	FY 2016-17 middle school student enrollment	FY 2016-17 secondary student enrollment	FY 2016-17 secondary student completion	FY 2016-17 secondary students employed	FY 2016-17 student FTE	FY 2016-17 Program cost	FY 2016-17 cost per student FTE
Agriculture, Food & Natural Resources Cluster	740	6655	5278	2161	853.82	\$7,533,807.42	\$8823.72
Architecture & Construction Cluster	N/A	7836	4125	893	722.9	\$5,478,864.43	\$7579.01
Arts, A/V Technology and Communication Cluster	281	16901	8374	1580	949.29	\$6,476,898.69	\$6822.89
Education & Training Cluster	N/A	868	766	299	50.02	\$591,558.98	\$10,43.14
Energy Cluster	N/A	0	0	0	24.76	\$2,000.00	\$9085.59
Health Science Cluster	N/A	3005	2057	592	474.36	\$43,855,826.49	\$8128.48
Hospitality & Tourism Cluster	N/A	9442	4244	1725	747.82	\$4,165,460.92	\$5570.14
Human Services Cluster	2578	1150	778	413	320.2	\$2,551,952.82	\$7969.87
Information Technology Cluster	1027	8799	4035	625	312.39	\$2,009,778.67	\$6433.56
Law, Public Safety, Corrections, & Security Cluster	N/A	870	700	305	159.77	\$1,076,189.89	\$6735.87
Management and Administration Cluster	608	27352	12835	4012	3021.35	\$14,257,402.54	\$6008.71
Manufacturing Cluster	N/A	6229	3591	995	729.54	\$4,205,917.19	\$5765.16
Marketing Cluster	N/A	10819	7456	2981	920.47	\$5,781,798.63	\$6281.36
Postsecondary & Workforce Readiness Cluster	15211	18370	7674	3061	1472.69	\$13,019,195.97	\$8840.42
STEM Cluster	6775	10198	7476	1027	557.43	\$3,377,602.43	\$6059.24
Transportation, Distribution, & Logistics Cluster	N/A	3185	2134	1032	710.78	\$4,933,739.37	\$6941.37
<b>Total</b>	<b>27220</b>	<b>131679</b>	<b>71523</b>	<b>21701</b>	<b>12034.27</b>	<b>\$83,438,017.87</b>	

N/A in middle school student enrollment column means there are no existing CTE programs in the career cluster.

1. Counts are all unduplicated within each cluster, but a student could be enrolled in multiple clusters.
2. Employed includes related to training, unrelated to training, and military service full or part time.