



MEMORANDUM

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

From: Joe Garcia, Chancellor, Colorado Community College System

Date: February 18, 2019

Re: 48th Annual Career Technical Act (CTA) Report for Fiscal Year 2017-2018

This report contains accountability information concerning career and technical education (CTE) in the public school districts of Colorado for the 2017-18 year. The Colorado Community College (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 \$26,675,279.00 to assist 154 school districts and charter schools in funding nearly 1,500 secondary CTE programs that were reported from the 2017-18 school year. Statewide, there were 140,395 total high school secondary CTE student enrollments (106,720 individual secondary CTE students) in 154 public school districts, eight technical centers, and three area technical colleges. In addition, there were 31,574 total middle school CTE student enrollments in 86 public school districts.

Students Served: Of the 106,720 individual secondary CTE students, 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 9th-12th grade students in Colorado 37% were enrolled in at least one CTE program in 2017-18. The total and unduplicated headcount within each career cluster are listed in Exhibit 1.

Job Placement: In 2017-18, there were 74,978 secondary CTE program completions. Of the 2017-18 program completers who were seeking employment and who schools were able to contact, 86% 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 almost 50 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% of the actual cost of CTE programs (Actual cost \$11.16 million, state funding \$6.5 million). In 2017-18, the General Assembly provided 21.7% of the actual cost of CTE programs. (Actual cost from FY17 reported expenses: \$123,580,330.61 state funding: \$26,675,279.00).

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 six Industry Sectors that reflect the unique economy of Colorado. The reauthorization of 2018 has prompted some opportunity for revision in future years.

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 they take 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 2017-18 students are counted within each class, enrollment is at 138,464. When duplication across and within clusters is removed from the data, there were 106,720 individual secondary students enrolled.

Including administrative costs for districts, Colorado spent over \$123.5 million educating secondary and middle students in CTE programs. This breaks down to an average cost per student FTE of \$10,224 for the 2017-18 year. CTA funding helps to offset one fifth 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 2017-18 CTE Student and Cost Information

| FY 2017-18 Colorado Career Clusters | FY 2017-18 middle school student enrollment | FY 2017-18 secondary student enrollment | FY 2017-18 secondary student completion | FY 2017-18 secondary students employed | FY 2017-18 student FTE | FY 2017-18 Program cost | FY 2017-18 cost per student FTE |
|---|---|---|---|--|------------------------|-------------------------|---------------------------------|
| Agriculture, Food & Natural Resources Cluster | 884 | 6695 | 5280 | 2411 | 951.05 | \$8,932,877.53 | \$9,392.65 |
| Architecture & Construction Cluster | N/A | 8876 | 4361 | 913 | 742.84 | \$6,056,841.73 | \$8,153.63 |
| Arts, A/V Technology and Communication Cluster | 378 | 1754 | 9135 | 1910 | 2413.41 | \$12,863,547.69 | \$5,330.03 |
| Education & Training Cluster | N/A | 838 | 730 | 187 | 99.29 | \$918,363.08 | \$9,249.30 |
| Energy Cluster | N/A | 0 | 0 | 0 | .1 | \$833.34 | \$8,333.4 |
| Government and Public Admin | NA | 0 | 0 | 0 | .22 | \$2,729.56 | \$12,407.09 |
| Health Science Cluster | N/A | 3375 | 2215 | 763 | 740.32 | \$5,175,193.07 | \$6,990.48 |
| Hospitality & Tourism Cluster | N/A | 9747 | 4729 | 1829 | 919.85 | \$6,222,682.44 | \$6,764.89 |
| Human Services Cluster | 2975 | 1103 | 858 | 386 | 459.39 | \$3,242,216.21 | \$7,057.66 |
| Information Technology Cluster | 771 | 9691 | 4516 | 698 | 1009.54 | \$7,104,853.12 | \$7,037.71 |
| Law, Public Safety, Corrections, & Security Cluster | N/A | 660 | 594 | 274 | 252.22 | \$1,634,482.93 | \$6,480.39 |
| Management and Administration Cluster | 479 | 28020 | 13555 | 4204 | 2167.75 | \$15,076,877.57 | \$6,955.08 |
| Manufacturing Cluster | N/A | 6384 | 3260 | 934 | 746.61 | \$6,053,955.97 | \$8,108.59 |
| Marketing Cluster | N/A | 10484 | 6890 | 2978 | 1183.27 | \$6,484,158.46 | \$5,479.86 |
| Postsecondary & Workforce Readiness Cluster | 19839 | 18678 | 7564 | 3068 | 2787.14 | \$18,265,072.29 | \$6,553.34 |
| STEM Cluster | 5200 | 13359 | 9261 | 1195 | 1975.74 | \$11,633,806.74 | \$5,888.33 |
| Transportation, Distribution, & Logistics Cluster | N/A | 3013 | 2030 | 1077 | 761.61 | \$5,528,464.62 | \$7,258.92 |
| Total | 30,526 | 138464 | 74978 | 22827 | 17210.35 | \$115,196,956.35 | |

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.