



COLORADO COMMUNITY
COLLEGE SYSTEM



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 26, 2014

Re: 43rd Annual Career Technical Act (CTA) Report for Fiscal Year 2012-2013

This report contains accountability information concerning career and technical education (CTE) in the public schools districts of Colorado for the 2012-13 year. CCCS respectfully submits this report to the Joint Budget Committee and House and Senate Education Committees in 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 and business and industry. More than 5,000 community and business leaders serve on advisory committees and councils supporting CTE programs.

The general assembly provided \$24,528,307.00 to assist 148 school districts in funding over 1,200 secondary CTE programs that were reported from the 2012-2013 school year. Statewide, there were 114,470 total high school secondary CTE student enrollments (92,541 individual secondary CTE students) in 150 public school districts, one charter district, five special schools, eight technical centers, four community colleges, one four-year college, and three area technical colleges. In addition, there were 12,644 total middle school CTE student enrollments (12,225 individual middle school CTE students) in 150 public school districts.

Students Served: Of the 114,470 total secondary CTE enrollments, 32% were identified as economically disadvantaged and 9% as disabled. Minority students represented 38% of total CTE students. Nearly 30,000 students mastered leadership & workforce readiness skills through participation in nine CTE student organizations as state affiliated members. Thirty-eight percent of the total 9th-12th grade secondary students in Colorado were enrolled in at least one CTE program in 2012-13. The information above is based on duplicated headcount data. The unduplicated headcount within a career cluster is listed in Exhibit 1.

Job Placement: In 2011-12, there were 52,021 total CTE program completions (46,693 individual CTE students). Of the 2011-12 program completers who were seeking employment and who schools were able to contact, 84% 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 30 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 2012-13, the General Assembly provided 26 percent of the actual cost of CTE programs. (Actual cost from FY13 reported expenses: \$92 million, state funding: \$24 million).

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. In addition, 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 below 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 2012-13 students are counted within each class, enrollment is at 114,470. When duplication across and within clusters is removed from the data, there were 92,541 individual secondary students enrolled.

After including administrative costs for districts, Colorado spent over \$92 million educating secondary and middle students in CTE programs. This breaks down to an average cost per student FTE of \$9,119 for the 2012-13 year.¹ CTA funding helps to offset one quarter (\$24 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 2012-13 CTE Student and Cost Information

FY 2012-13 Colorado Career Clusters	FY 2012-13 middle school student enrollment (1)	FY 2012-13 secondary student enrollment (1)	FY 2012-13 secondary student completion	FY 2011-12 secondary students employed (2)	FY 2012-13 student FTE	FY 2012-13 school district cost	FY 2012-13 cost per student FTE
Agriculture, Food & Natural Resources Cluster	645	5795	4419	1765	849	\$7,658,766	\$9,021
Architecture & Construction Cluster	N/A	6253	3146	645	666	\$5,361,323	\$8,050
Arts, A/V Technology & Communication Cluster	251	9538	4346	907	813	\$6,745,125	\$8,297
Education & Training Cluster	N/A	369	281	78	32	\$470,956	\$14,717
Energy Cluster	N/A	122	113	26	37	\$346,650	\$9,368
Health Science Cluster	N/A	2318	1693	522	450	\$4,094,160	\$9,098
Hospitality & Tourism Cluster	N/A	8815	3162	1184	623	\$4,303,428	\$6,908
Human Services Cluster	1162	1151	700	300	261	\$2,130,800	\$8,164
Information Technology Cluster	476	3779	1242	253	341	\$2,781,680	\$8,157
Law, Public Safety, Corrections & Security Cluster	N/A	486	423	188	117	\$1,126,592	\$9,629
Management & Administration Cluster	511	33037	12956	3797	2526	\$17,519,827	\$6,936
Manufacturing Cluster	N/A	5832	2568	729	565	\$4,583,447	\$8,112
Marketing Cluster	N/A	9150	5860	2142	763	\$5,729,856	\$7,510
Postsecondary & Workforce Readiness Cluster	6574	17353	6093	2458	1465	\$13,810,043	\$9,427
STEM Cluster	3020	6271	3156	410	509	\$3,857,969	\$7,579
Transportation, Distribution, & Logistics Cluster	N/A	3205	1644	803	492	\$4,583,623	\$9,316
Totals	12,639	113,474	51,802	16,207	10,509	\$85,104,569	

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.

¹ Full-time equivalent (FTE) is one student attending six hours per day for 180 days.