



Vision of Colorado Career and Technical Education:

Colorado CTE delivers proven pathways to lifelong career success!

Mission of Colorado Career and Technical Education:

CTE ensures a thriving Colorado economy by providing relevant and rigorous education that is connected, responsive and real.

Overall Goal/Outcome of CTE:

To provide quality educational programs emphasizing core academic content, Postsecondary & Workforce Readiness (PWR) competencies, technical skills, and seamless transition to further education or employment and better prepare students, including special populations to meet challenges of the workforce, economic development, and emerging occupations.

**Career and Technical Education
CTE Fact Sheet 2011**

Colorado CTE Statistics:

Secondary:

- ❖ 115,411 total CTE enrollments (90,597 individual CTE students) in 2009-2010.
 - 1,296 secondary CTE programs in 155 public school districts, 8 technical centers, 4 special schools, 5 community colleges, 3 area technical colleges, 1 four-year local college, 1 charter district, and correctional facilities.
 - 29% of CTE students identified as economically disadvantaged; 9% as disabled; 34% as minority.
 - 38% of 9th-12th grade students in Colorado enrolled in at least one CTE course.
 - 52,259 total CTE program completions (45,676 total individual CTE students).
 - 93% percent of CTE concentrators and CTE program completers who graduated with a high school diploma met the partially proficient, proficient or advanced levels on the statewide 10th grade high school Reading/Language Arts CSAP assessment. Of this same population of students, 72% met the partially proficient, proficient or advanced levels on the statewide 10th grade high school Mathematics CSAP assessment.
 - 82% of previous year CTE completers who schools were able to contact *and* who were seeking employment had obtained jobs within a year following program completion.

Postsecondary:

- ❖ 31,782 total CTE enrollments (31,180 individual CTE students) in 2009-2010.
 - 611 postsecondary CTE programs in 13 system community colleges, 2 district community colleges, 1 four-year local college, 3 area technical colleges, and correctional facilities.
 - 16,621 total CTE program completions (16,205 total individual CTE students).
 - 10,857 completions at system, district, and local colleges.
 - 3960 completions at area technical colleges.
 - 92% of previous year CTE completers who schools were able to contact *and* who were seeking employment had obtained jobs within a year following program completion.

Colorado Career Clusters

- **Agriculture, Food & Natural Resources:** Animal Science; Agribusiness Systems; Food Products & Processing Systems; Natural Resource & Environmental Systems; Plant Science; Power, Structural & Technical Systems.
- **Energy:** Electromechanical Generation & Maintenance; Electrical Energy Transmission & Distribution; Energy Efficiency & Environmental Technology; Fossil Energy Extraction, Processing & Distribution; Renewable Energy Production.
- **Management & Administration:** Administrative Services; Business Information Technology; Corporate/General Management; Human Resource Management; Operations Management.
- **Marketing:** Marketing Communications; Marketing Management; Marketing Research; Merchandising; Professional Sales/Sales Management.
- **Finance:** Accounting; Banking Services; Corporate Finance; Insurance; Securities and Investments.
- **Government & Public Administration:** Foreign Service; Governance; Legal Services; Planning; Public Management & Administration; Regulation; Revenue & Taxation.
- **Hospitality & Tourism:** Lodging; Recreation Amusements & Attractions; Restaurants & Food/Beverage Services; Travel & Tourism.
- **Human Services:** Consumer Services; Counseling & Mental Health Services; Early Childhood Development; Family & Community Services; Personal Care Services.
- **Education & Training:** Administration & Administrative Support; Professional Support Services; Teaching and Training.
- **Health Sciences:** Biotechnology Research & Development; Diagnostic Services; Health Informatics; Supportive Services; Therapeutic Services.
- **Law, Public Safety, Corrections & Security:** Correction Services; Emergency & Fire Management Services; Law Enforcement Services; Security & Protective Services.
- **Transportation, Distribution & Logistics:** Facility & Mobile Equipment Maintenance; Health, Safety, & Environmental Management; Logistics, Planning & Management Services; Planning, Management & Regulation; Sales & Service; Transportation Operations; Transportation/Systems Infrastructure; Warehousing & Distribution Center Operations.
- **Architecture & Construction:** Construction; Design & Pre-Construction; Maintenance & Operations.
- **Manufacturing:** Health, Safety & Environmental Assurance; Logistics & Inventory Control; Manufacturing Production; Maintenance, Installation & Repair; Production/Process Technology; Quality Assurance.
- **STEM:** Research, Exploration & Innovation; Design, Development & Application.
- **Arts, A/V Technology & Communication:** Audio/Video Technology and Film; Journalism and Broadcasting; Performing Arts; Printing/Publishing; Visual & Design Arts.
- **Information Technology:** Information Support and Services; Interactive Media; Network Systems & Telecommunications; Programming & Software Engineering.
- **Postsecondary & Workforce Readiness:** Alternative Cooperative Education (ACE); FACS Core; World of Work.

CTE Program Types:

- ❖ **Colorado CTE programs are divided into six Industry Sectors:** Agriculture, Natural Resources & Energy; STEM, Arts, Design & Information Technology; Skilled Trades & Technical Sciences; Health Science, Criminal Justice & Public Safety; Hospitality, Human Services & Education; Business, Marketing & Public Administration.
- ❖ More than 5,000 community and business leaders serve on advisory committees and councils supporting CTE programs.

Career and Technical Student Organizations:

- ❖ CTSOs help students build leadership skills, promote positive work values, and reinforce the CTE curriculum.
- ❖ Nine CTE student organizations include: CYFEA, DECA, FBLA, FCCLA, FFA, HOSA, PBL, SkillsUSA, and COTSA.
- ❖ In 2009-2010, 24,737 students participated in CTE student organizations as state affiliated members.

CTE State Funding:

- ❖ Over the last 30 years, appropriations for the Career Technical Act (formerly the Colorado Vocational Act of 1970) have dropped proportionately 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 2009-10, the General Assembly provided 23 percent of the actual cost of CTE programs. (Actual cost from FY09 reported expenses: \$99 million, state funding: \$23.1 million).

Strategies for the Future:

- ❖ Implementing Career and Technical Education Plans of Study
- ❖ Strengthening Accountability for Results
- ❖ Adopting a Project-Based Focus
- ❖ Assessing Career and Technical Skills
- ❖ Integrating Academic and CTE Skills and Knowledge
- ❖ Building a Corps of Effective CTE Teachers
- ❖ Ensuring Effective Strategies For Special Populations
- ❖ Connecting CTE To Employers and Workforce Priorities

FOR MORE INFORMATION:

Scott Stump, CTE Dean
Colorado Community College System
9101 E. Lowry Blvd.
Denver, CO 80230
303-595-1578
scott.stump@cccs.edu
www.cccs.edu