Learning that works for America
CTE™

National Association of State Directors of Career Technical Education Consortium (NASDCTEc)

CTE Enrollment

Over 14 million[i] secondary and postsecondary students are enrolled in at least some CTE courses.

Secondary

- Of all public high school graduates enrolled in postsecondary education in 2006, **53.1%** of graduates chose a CTE-related field of study[ii]
- **61%** of high school graduates (2004) enrolled in postsecondary education took **4 or more credits** in CTE-related fields[iii]
- High-risk students are **8 to 10 times** less likely to drop out in 11th or 12th grades if enrolled in a CTE program rather than general education[iv]
- Average national freshman graduation rate (2007-2008)……..**74.9%**[v]
- Average CTE concentrator high school graduation rate (2007-2008)…**90.18%**[vi]

Postsecondary

Total number of credential-seeking undergraduates enrolled in a subbaccalaureate credential, certificate, or associate's degree in Career Education (2007-2008)[vii]: **12,766,000**

Many of these students seek credentials in CTE-related areas such as :

Career Field of Study	Credential-Seeking Students (2007-2008)
Health Sciences	4,384,000
Manufacturing, Construction, Repair and Transportation	752,000
Business and Marketing	2,783,000
Engineering and Architecture	934,000
Consumer Services	814,000
Protective Services	805,000
Computer and Information Sciences	754,000

For more information, please contact Kara Herbertson, Education Policy Analyst,
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i U.S. Department of Education, Office of Vocational and Adult Education, Report to Congress on State Performance, Program Year 2007-2008, http://cte.ed.gov/docs/Rpt_to_Congress/Report_to_Congress_07-08.pdf
ii U.S. Department of Education, Postsecondary and Labor Force Transitions Among Public High School Career and Technical Education Participants, January 2011. Table 5-A. http://nces.ed.gov/pubs2011/2011234.pdf
iii U.S. Department of Education, Table 5-B, http://nces.ed.gov/pubs2011/2011234.pdf
iv Kulik, James, Curriculum Tracks and High School Vocational Studies (Ann Arbor: University of Michigan, 1998)
v Citation for 2007-2008 average national freshman graduation rate (see page 5): http://nces.ed.gov/pubs2010/2010341.pdf
vi U.S. Department of Education, Office of Vocational and Adult Education, Carl D. Perkins Career and Technical Education Act of 2006, Report to Congress on State Performance, Program Year 2007-2008. Washington, DC.
vii National Center for Education Statistics, "Career/Technical Education (CTE) Statistics" Table P43, http://www.nces.ed.gov/surveys/ctes/tables; Calculations are based on information presented with some overlap due to same student receiving multiple credentials, taking multiple majors, etc.

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CTE Provides Opportunities for College and Career

CTE Leads to College

- **79%** of CTE concentrators enrolled in postsecondary education within 2 years of high school graduation[i]
- **80%** of CTE concentrators persisted in postsecondary education[ii]
- 27% of people with less than an associate's degree (including licenses and certificates) **earn more** than the average bachelor's degree recipient[iii]
- Number of CTE credentials awarded nationally in 2006: **2,022,885**[iv]

CTE Graduates Earn More

Federal minimum wage in 2006:
$5.15

Average hourly rate of CTE concentration high school graduate in 2006:
$10.04

CTE Leads to Careers

- 95% of CTE concentrators who did not enroll in postsecondary education **worked fo**r pay within two years of high school graduation (2004)[v]
- Many worked in occupations related to their high school areas of concentration[vi]:
  - Construction and Architecture: **43%**
  - Consumer/Culinary Services: **39%**
  - Repair and Transportation: **39%**

CTE Leads to Careers

- Experts project **47 million job openings** in the decade ending 2018. About one-third will require an associate's degree or certificate, and nearly all will require real-world skills that can be mastered through CTE.[vii]

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i U.S. Department of Education, Postsecondary and Labor Force Transitions Among Public High School Career and Technical Education Participants, January 2011. Table 2, http://nces.ed.gov/pubs2011/2011234.pdf
ii U.S. Department of Education, Table 4, http://nces.ed.gov/pubs2011/2011234.pdf
iii Executive Office of the President, Council of Economic Advisers, Preparing the Workers of Today for the Jobs of Tomorrow, July 2009, http://www.whitehouse.gov/administration/eop/cea/Jobs-of-the-Future/
iv National Center for Education Statistics, "Career/Technical Education (CTE) Statistics" Table P33, http://www.nces.ed.gov/surveys/ctes/tables
v U.S. Department of Education, Table 7, http://nces.ed.gov/pubs2011/2011234.pdf
vi U.S. Department of Education, Table 10, http://nces.ed.gov/pubs2011/2011234.pdf
vii Georgetown Center on Education and the Workforce via Harvard's Pathways to Prosperity report, p.29, http://cew.georgetown.edu/

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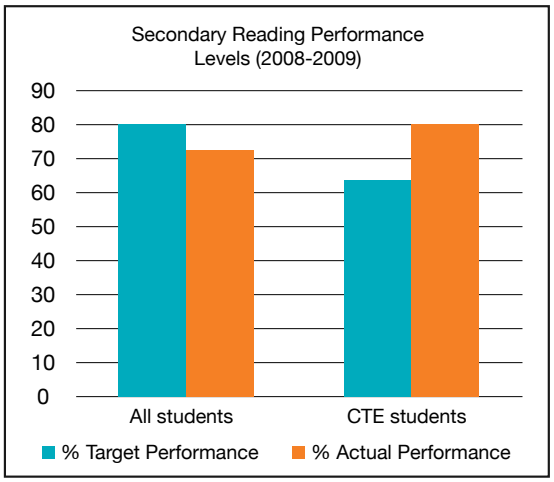
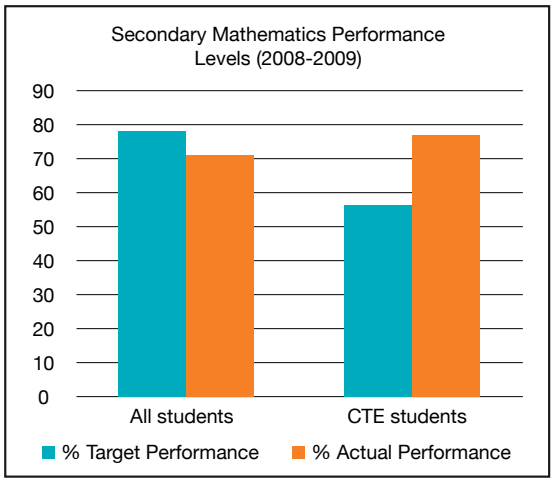
CTE Student Achievement

Secondary CTE Student Achievement[i]





Postsecondary CTE Placement[ii]

70 percent of CTE concentrators stayed in postsecondary education or transferred to a 4-year degree program (compared to the overall average state target of 58%) and transitioned to postsecondary education or employment by December of the year of graduation.

CTE Achievement Levels[iii]

CTE students surpassed state target performance levels in the following areas (2009-2010):

CTE Indicator	Target Performance	Actual Performance
Reading/Language Arts (Secondary):	67%	72%
Mathematics (Secondary):	59%	63%
Technical Skill Attainment (Secondary):	68%	75%
Technical Skill Attainment (Postsecondary):	70%	82%

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i U.S. Department of Education, FY 2010 Annual Performance Report, Washington, D.C., 2011. http://www2.ed.gov/about/reports/annual/2010report/fy2010-apr.pdf.
ii U.S. Department of Education, http://www2.ed.gov/about/reports/annual/2010report/fy2010-apr.pdf.
iii Perkins Consolidated Annual Reports, 2009-2010. All data was collected from individual states and aggregated.