



**Career and Technical Education:
an integral component of the South Dakota Workforce
Initiative (SDWins)**

The CTE data supports the anecdotal stories that CTE graduates, through rigorous, relevant coursework, have a higher graduation rate than the overall state rate.

Year	Graduation Rate	
	CTE*	Statewide**
2009	97.27%	89.21%
2010	96.61%	89.23%
2011	97.23%	83.39%
2012	97.18%	83.16%
2013	97.25%	82.68%

*State of South Dakota DOE – Office of Career and Technical Education 2008, 2009, 2010, 2011, 2012, 2013 Perkins Data Reports. CTE graduates completed two or more credits in an approved CTE program.

**State of South Dakota DOE – NCLB Report Card

<https://nclb.ddncampus.net/nclb/portal/portal.xsl?extractID=11> (retrieved 12/8/2009, 12/20/2010)

<http://doe.sd.gov/NCLB/reports/2011/reportcard/2011state.pdf> (1/4/2012)

<http://doe.sd.gov/NCLB/documents/12RepCard.pdf> (retrieved 12/28/2012)

<http://www.doe.sd.gov/NCLB/reports/2013/reportcard/2013state.pdf> (retrieved 1/4/2014)

Moreover, the experiences provided through approved CTE programs reinforce the importance of post-secondary education/training. The table below reflects CTE graduates' post-secondary plans. Since 2008 over 75% of CTE graduates planned to further their education and skills by attending a post-secondary institution.

Placement Plans	2009 CTE Graduates*	2010 CTE Graduates*	2011 CTE Graduates*	2012 CTE Graduates*	2013 CTE Graduates
4-year university	42.18%	42.55%	45.69%	45.49%	42.57%
2-year program	32.21%	33.07%	30.64%	32.17%	34.40%
Advanced Training	1.02%	1.35%	0.50%	0.90%	0.37%
Military	4.38%	4.28%	5.32%	3.91%	3.58%
Workforce	13.81%	15.76%	14.24%	15.07%	12.02%

*State of South Dakota DOE – Office of Career and Technical Education 2008, 2009, 2010, 2011, 2012, 2013 Perkins Data Reports. CTE graduates completed two or more credits in an approved CTE program.

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Today's Career and Technical Education (CTE) provides students:

- Academic subject matter taught with relevance to the real world
- Employability skills, from job-related skills to workplace ethics
- Career pathways that link secondary and post-secondary education
- Education for additional training and degrees, especially related to workplace training, skills upgrades, and career advancement

www.acteonline.org (retrieved 12/8/2009)

In South Dakota: CTE courses are categorized into the following career clusters:

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communication
- Business, Management & Administration
- Education & Training
- Finance
- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections & Security
- Manufacturing
- Marketing, Sales & Service
- Science, Technology, Engineering, & Mathematics (STEM)
- Transportation, Distribution & Logistics

In the 2012-2013 school year, there were **563 approved CTE programs**[†] encompassing all 16 career clusters in the state of SD. Approved CTE programs in South Dakota complete an annual application. To be approved, two Carnegie units (credits) must be available to students in the career cluster area. The courses must address and meet state standards as outlined by the Department of Education. The instructor must be CTE certified and an active local advisory board must meet to review curriculum, equipment, and CTSO opportunities. (†SD DOE 6/11/2013)

Established in 2012, **South Dakota Workforce Initiative (SDWins)** is a joint effort between the SD Departments of Labor and Education and business and education leaders. Designed to “develop and attract a stronger, better educated workforce,” SD Wins focuses on four components: (1) Preparing Our Youth, (2) Training for Skilled Jobs, (3) Promoting Rural Health Occupations, and (4) New South Dakotans.
www.southdakotawins.com (retrieved 12/28/2012)

Career and Technical Education plays an integral role in four of the *Preparing Our Youth* modules – SDMylife, Career Cluster Camps, Internship Opportunities and University Student Success. Other modules in *Preparing Our Youth* include Advanced Placement (AP) courses and Remedial Coursework K-12.

SDMylife, a web-based career exploration and guidance program, provides students the opportunity to research careers fitting their interests, skills, and desired post-secondary training/education. The program includes recommendations for secondary and post-secondary plans of study. Many CTE programs utilize SDMylife when addressing the career cluster standards in addition to preparing for Career and Technical Student Organization (CTSO) competitions. High school students in South Dakota can participate in FFA, FCCLA, FBLA, and SkillsUSA.

	2009	2010	2011	2012	2013
South Dakota grades 9 – 12 enrollment	37,970**	37,782**	37,782**	37,259**	36,851**
CTE Enrollment grades 9 – 12, approved CTE Programs	22,766*	22,876*	25,748*	26,771*	28,953*
CTSO Membership	6,600+	6,335+	6,611+	7,111+	7,071+

*State of South Dakota DOE – Office of Career and Technical Education 2008, 2009, 2010, 2011, 2012 Perkins Data Reports. CTE graduates completed two or more credits in an approved CTE program.

**State of South Dakota DOE: Public School Enrollment <http://doe.sd.gov/ofm/fallenroll.asp> (retrieved 12/9/2009, 12/20/2010, 1/4/2012, 12/28/2012, 1/4/2013)

+State of South Dakota DOE – Career and Technical Student Organization (retrieved 12/9/2009, 12/21/2010, 1/5/2012, 1/6/2014)

Career Cluster Camps provide students opportunities to learn from a variety of business professionals and participate in hands-on learning activities. Scrubs Camp, Construction Awareness Camp, and a variety of other camps are held at post-secondary institutions so that participating students can also meet instructors and learn about post-secondary programs available in South Dakota.

Internship Opportunities: While SD Wins focuses on post-secondary internships, many South Dakota high schools offer youth internship opportunities to juniors and seniors. Students often tie their CTE coursework with a youth internship and/or senior experience. Business/industry leaders mentor and advise students on necessary high school coursework, scholarship opportunities, post-secondary options, and employment outlook. Successful youth internships provide a task list developed cooperatively between the CTE instructor and business so students know exactly what they will be learning during the internship.

University Student Success: Approved CTE programs following the expectations outlined by the Carl D. Perkins CTE legislation integrate academic standards into learning activities. This integration provides relevance and application to the academic standards. Furthermore, approved CTE programs offer rigorous programs of study through the implementation of statewide standards. To insure high standards are met, CTE teachers attend trainings sponsored by the Department of Education and submit data annually to determine if CTE students are meeting the technical skills for each standard with a 75% average or higher. This chart reflects graduates scoring proficient or above.

Cluster Area	2009 CTE Graduates*	2010 CTE Graduates*	2011 CTE Graduates*	2012 CTE Graduates*	2013 CTE Graduates*
Agriculture, Food & Natural Resources	97.72%	97.05%	96.78%	96.44%	96.83%
Architecture & Construction	92.64%	93.51%	94.36%	94.80%	95.10%
Arts, A/V Technology & Communication	88.58%	83.75%	88.65%	91.08%	93.63%
Business, Management & Administration	97.5%	92.61%	93.38%	96.9%	95.70%
Education & Training	100%	100%	100%	93.33%	100%
Health Science	96.86%	96.98%	96.71%	97.21%	96.54%
Hospitality & Tourism	98.73%	94.94%	90.64%	90.43%	93.05%
Human Services	97.7%	96.44%	96.13%	96.92%	96.88%
Information Technology	91.54%	95.51%	96.08%	95.08%	94.48%
Manufacturing	91.82%	90.19%	93.67%	95.28%	95.27%
Marketing, Sales & Service	97.65%	98.02%	94.12%	100%	97.62%
STEM	97.53%	91.35%	93.51%	95.10%	94.18%
Transportation, Distribution & Logistics	94.82%	91.72%	93.83%	97.43%	96.14%
Statewide/All Clusters	96.17%	94.64%	95.08%	95.87%	95.83%

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