



**CELEBRATE TODAY,
OWN TOMORROW!**

South Dakota CTE Profile

Agriculture, Food & Natural Resources **Architecture & CONSTRUCTION** **Arts, Audio/Video Technology & Communication** **Business Management & Administration** **Education Training** **FINANCE** **Government & Public Administration** **Health Science** **Hospitality & Tourism** **Human Services** **Information Technology** **Law, Public Safety & Security** **Manufacturing** **Marketing** **Science, Technology, Engineering & Mathematics** **Transportation** **Distribution & Logistics**

State Overview

South Dakota receives funding at state and national levels to fund career and technical education (CTE). CTE is delivered through public and private high schools, multi-districts, technical high schools and technical colleges. Funds are distributed to local education providers by the South Dakota Department of Education CTE. At the secondary level, students choose from 16 career clusters and are able to fulfill some of their requirements through dual-enrollment courses. At the postsecondary level, students also have many of the career clusters as well as more specialized areas. The four technical colleges have an average placement rate of 99% in the students field of study. At both levels, students participate in real-world, relevant, hands-on learning, which even lead to industry certification.

790

Programs offered at all high schools in South Dakota

44

Programs offered at the four technical colleges

99%

Of Graduates are Placed in their Field of Study four technical colleges

Capstone Opportunities

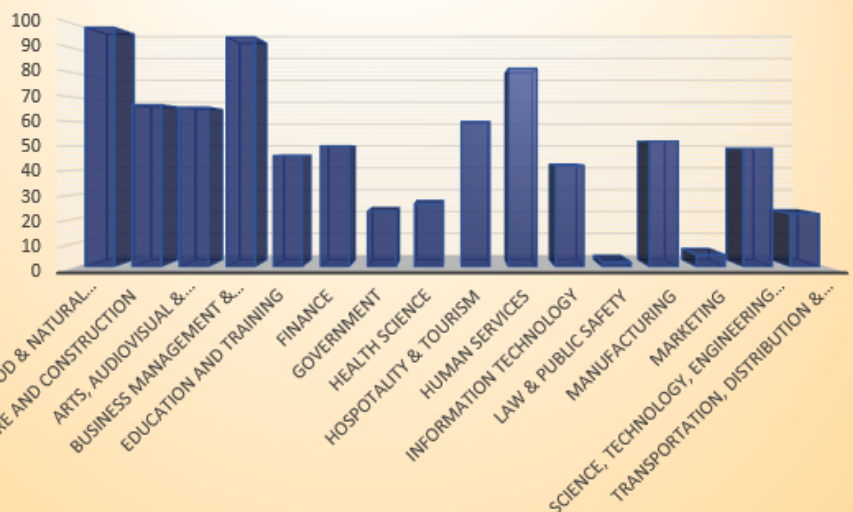
Within South Dakota, many schools offer capstone courses such as Youth Internships, Senior Experience, Entrepreneurship, Service Learning and Youth Apprenticeship.

Industry Certification Available

Earning certifications through a CTE program saves employers time and money. Certification available include National Career Readiness Certificate, OSHA General Industry, General Construction, General Agriculture, Youth Automotive Service Excellence (YASE), ServSafe, First Aid/CPR, Pesticide Private Applicator, AWS Certified Welder.

Source:
South Dakota Department of Education: Programs 2023
South Dakota Technical College Report
South Dakota Department of Tourism
SD Career and Technical Education

Programs in South Dakota





CELEBRATE TODAY,
OWN TOMORROW!

What is Career & Technical Education?

Is South Dakota Well-Equipped?

Career and technical education (CTE)

provides an important pathway to success for high school students and offers each student opportunities to personalize his or her education based on their career interests and unique learning needs. CTE refers to courses and programs designed to prepare students for careers in current or emerging professions. At the high school level, CTE provides students with opportunities to explore a career theme of interest while learning a set of technical and employability skills that

83%

High school graduation rate of all students

integrate into or complement their academic studies. **High school CTE is meant to connect with and lead to postsecondary programs of study or additional training after high school, which may include more specialized technical instruction.** These pathways can culminate in postsecondary degrees or certificates, apprenticeships, or employment.

In South Dakota, there are approximately 30,000 CTE students in grades 7-16 in the state. CTE equips students with the top five skills that employers want, including: flexibility/adaptable; lifelong learner/motivated to grow; job-specific skills (hard skills); soft skills; and passion about an industry. According to the Department of Education:

- High school students who were **CTE concentrators graduated from high school at higher rates** than their non-concentrator peers.
- Eight years after their expected graduation date, students who focused on career and technical education (CTE) courses while in high school had **higher median annual earnings** than students who did not focus on CTE.
- High school students who were CTE concentrators were **employed full-time at higher rates** eight years

93%
High School graduation rate of CTE concentrators

after their expected high school graduation compared to non-concentrators.

- Eight years after their expected high school graduation, the **median annual earnings for CTE concentrators were higher** than for non-concentrators.
- A **critical workforce challenge** in the United States is the skills gap, particularly among jobs that require either a high school diploma, postsecondary certificate, or associate's degree .
- There are **30 million jobs** in the United States that do not require a bachelor's degree that pay median earnings of \$55,000 or more.
- Nearly all public school districts offered CTE programs to high school students. About three-fourths of these districts offered CTE courses that earn both high school and postsecondary credit, commonly called dual credit.

South Dakota **needs more CTE programs** across South Dakota to ensure that all learners, including historically underserved learners, have access to high quality CTE programs in high-skill, high wage and in-demand career fields. To help with the shortage of high-quality CTE programs, South Dakota has developed two statewide CTE Consortiums which help grow and promote CTE and its importance, with 20-30 school districts belonging to each of them. The Eastern Statewide CTE Consortium is directed by Sara Vande Kamp, who is based out of Southeast Tech and the Western Statewide CTE Consortium is under the direction of Fawn Hall.

Agriculture, Food & Natural Resources Architecture & CONSTRUCTION Arts, Audio/Video Technology & Communication Business Management & Administration Education Training FINANCE Government & Public Administration Health Science Hospitality & Tourism Human Services Information Technology Law, Public Safety & Security Manufacturing Marketing Science, Technology, Engineering & Mathematics Transportation Distribution & Logistics



CELEBRATE TODAY,
OWN TOMORROW!

ACTE High Quality CTE Framework

Many school districts are requiring high-quality CTE programs. ACTE developed a CTE initiative designed to answer “What is high-quality CTE?” The framework is designed to apply to individual, local CTE programs of study spanning secondary and postsecondary education. Below is a brief description of the 12 elements. South Dakota continues to receive the Quality Association Standards Award. You can find more information at www.acteonlin.org/high-quality-CTE.

- Standards-Aligned and Integrated Curriculum.** The curriculum is based on industry validated technical standards and competencies incorporating relevant content, and employability skills with stakeholder input.
- Sequencing and Articulation.** The program and articulation are supported by the program of study and career pathways. The program of study leads to recognized postsecondary credentials including certifications, licensees, apprenticeships and degrees.
- Student Assessment.** The program of study uses quality assessments that leads to postsecondary credentials.
- Prepared and Effective Program Staff.** The CTE teachers and faculty have the qualifications and current, rigorous professional development of the program of study. CTE educators have a commitment to the profession.
- Engaging Instruction.** Instructional strategies are student-centered and support student attainment of knowledge and skills. Project-based learning with a connection between academic and technical knowledge and skills incorporating relevant equipment, technology and materials to support learning.

- Access and Equity.** Promoting a program of study through student requirement and strategies that support access and equity among student populations.
- Facilities, Equipment, Technology and Materials.** Facilities, equipment, technology and materials used in the program of study reflect current workplace, industry and/or occupational practices and requirements.
- Business and Community Partnerships.** Partnerships are formed with a diverse range of stakeholders who ensure the program of study meets current and future workforce demands and skills.
- Student Career Development.** Students gain career knowledge and engage in education and decision-making career planning.
- Career and Technical Student Organizations (CTSOs).** Career student organizations are present and students enrolled in these organizations engage in activities that are an integral part of the instructional programs giving students opportunities to develop skills and leadership.
- Work-based Learning.** Involves sustained meaningful interactions with industry professionals that foster in-depth firsthand engagement with the tasks required in a given career field. This includes experience in the workplace, virtually, tours, job shadowing, school-based enterprises, internships and apprenticeships.
- Data and Program Improvement.** Lastly, a collection and reporting of data for continuous evaluation and program improvement is necessary.



Top 10 Fastest Growing Occupations

	Percent change, projected 2021–31	Employment change, projected 2021–31 (in thousands)	Median annual wage, May 2021
Nurse practitioners	45.7%	112.7	\$120,680
Wind turbine service technicians	44.3%	4.9	\$56,260
Ushers, lobby attendants, and ticket takers	40.5%	25.6	\$24,440
Motion picture projectionists	40.3%	0.8	\$29,350
Cooks, restaurant	36.6%	459.9	\$30,010
Data scientists	35.8%	40.5	\$100,910
Athletes and sports competitors	35.7%	5.7	\$77,300
Information security analysts	34.7%	56.5	\$102,600
Statisticians	32.7%	11.2	\$95,570
Umpires, referees, and other sports officials	31.7%	4.2	\$35,860

Note: Wage data are from the Occupational Employment and Wage Statistics program, U.S. Bureau of Labor Statistics.

Job Outlook

For more information on the fastest growing occupations, projected new jobs, and job requiring some postsecondary education, go to BLS.gov. This site has a plethora of videos you can share with your stakeholders and students alike.

Source:
South Dakota Department of Education: Programs 2023
South Dakota Governors’ Economic Development
US Department of Education
SD Career and Technical Education
BLS.gov