Furthermore, 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.

<table>
<thead>
<tr>
<th>Placement Plans</th>
<th>2008 CTE Graduates*</th>
<th>2009 CTE Graduates*</th>
<th>2010 CTE Graduates*</th>
<th>2011 CTE Graduates*</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-year university</td>
<td>44.6%</td>
<td>42.18%</td>
<td>42.55%</td>
<td>45.69%</td>
</tr>
<tr>
<td>2-year program</td>
<td>34.86%</td>
<td>32.21%</td>
<td>33.07%</td>
<td>30.64%</td>
</tr>
<tr>
<td>Advanced Training</td>
<td>N/A</td>
<td>1.02%</td>
<td>1.35%</td>
<td>0.50%</td>
</tr>
<tr>
<td>Military</td>
<td>3.34%</td>
<td>4.38%</td>
<td>4.28%</td>
<td>5.32%</td>
</tr>
<tr>
<td>Workforce</td>
<td>17.19%</td>
<td>13.81%</td>
<td>15.76%</td>
<td>14.24%</td>
</tr>
</tbody>
</table>


For more information regarding Career and Technical Education programs in South Dakota contact:

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605.881.4746 (c)

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Past-President of ACTE
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Sturgis, SD 57785
605.490.7677 (c)

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800 Governors Drive
Pierre, SD 57501
605-773-3134


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


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

High School 2025 is a framework to design a student-focused educational experience that will prepare students to accomplish their career goals and be successful in a global society. CTE courses are a critical component of High School 2025 framework for rigor, relevance, relationships and results.
Through approved CTE programs, students learn 21st Century Skills through project-based learning, youth internships, pre-apprenticeship programs, and capstone experiences.


Relevance: Approved career and technical education courses reinforce academic standards in language arts and mathematics while teaching technical skills specific to the cluster of study. Whether learning the technical skills related to troubleshooting an ignition problem in an automobile, calculating the cost per serving of a menu item, or determining the GPS coordinates for a soil sample, CTE students are using the skills/knowledge developed through academic coursework.

Relationships: Project-based learning is a key component of CTE courses. Students not only learn to work independently, they also learn 21st century skills, such as working with a team to solve problems and communicate results. Furthermore, students enrolled in approved CTE courses may participate in Career and Technical Student Organizations (CTSOs) such as FFA, FCCLA, SkillsUSA, and FBLA where they can participate in cluster-specific competitions and leadership development contests.

Rigor: Career and technical education courses provide rigorous coursework with programs of study and statewide standards utilized by all approved CTE programs. The programs of study and course standards are available on the Office of Curriculum, Career and Technical Education (OCCTE) website. To insure that these high standards are met, CTE teachers attend trainings sponsored by the OCCTE in regards to effective implementation of course curriculum and state standards. Then data is collected yearly 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 and above.

<table>
<thead>
<tr>
<th>Cluster Area</th>
<th>2008 CTE Graduates*</th>
<th>2009 CTE Graduates*</th>
<th>2010 CTE Graduates*</th>
<th>2011 CTE Graduates*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture, Food &amp; Natural Resources</td>
<td>99.02%</td>
<td>97.72%</td>
<td>97.05%</td>
<td>96.78%</td>
</tr>
<tr>
<td>Architecture &amp; Construction</td>
<td>94.66%</td>
<td>92.64%</td>
<td>93.51%</td>
<td>94.36%</td>
</tr>
<tr>
<td>Arts, A/V Technology &amp; Communication</td>
<td>94.82%</td>
<td>88.58%</td>
<td>83.75%</td>
<td>88.65%</td>
</tr>
<tr>
<td>Business, Management &amp; Administration</td>
<td>97.95%</td>
<td>97.5%</td>
<td>92.61%</td>
<td>93.38%</td>
</tr>
<tr>
<td>Education &amp; Training</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Health Science</td>
<td>91.24%</td>
<td>96.86%</td>
<td>96.98%</td>
<td>96.71%</td>
</tr>
<tr>
<td>Hospitality &amp; Tourism</td>
<td>98.04%</td>
<td>98.73%</td>
<td>94.94%</td>
<td>90.64%</td>
</tr>
<tr>
<td>Human Services</td>
<td>98.42%</td>
<td>97.7%</td>
<td>96.44%</td>
<td>96.13%</td>
</tr>
<tr>
<td>Information Technology</td>
<td>93.12%</td>
<td>91.54%</td>
<td>95.51%</td>
<td>96.08%</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>92.68%</td>
<td>91.82%</td>
<td>90.19%</td>
<td>93.67%</td>
</tr>
<tr>
<td>Marketing, Sales &amp; Service</td>
<td>97.27%</td>
<td>97.65%</td>
<td>98.02%</td>
<td>94.12%</td>
</tr>
<tr>
<td>STEM</td>
<td>98.4%</td>
<td>97.53%</td>
<td>91.35%</td>
<td>93.51%</td>
</tr>
<tr>
<td>Transportation, Distribution &amp; Logistics</td>
<td>93.51%</td>
<td>94.82%</td>
<td>91.72%</td>
<td>93.83%</td>
</tr>
<tr>
<td>Statewide/All Clusters</td>
<td>97.18%</td>
<td>96.17%</td>
<td>94.64%</td>
<td>95.08%</td>
</tr>
</tbody>
</table>


Results: For many years, CTE educators have understood their courses keep students in school by building on relevance and relationships, while maintaining a rigorous track, which will insure they earn a high school diploma. The data below supports that belief.

<table>
<thead>
<tr>
<th>Year</th>
<th>CTE Graduation Rate</th>
<th>Statewide Graduation Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>97%</td>
<td>88.39%</td>
</tr>
<tr>
<td>2009</td>
<td>97.27%</td>
<td>89.21%</td>
</tr>
<tr>
<td>2010</td>
<td>96.61%</td>
<td>89.23%</td>
</tr>
<tr>
<td>2011</td>
<td>97.23%</td>
<td>83.39%</td>
</tr>
</tbody>
</table>
