

# Career and Technical Education Improves Student Achievement in High School, College and Career

Parents play an important role in their children's college and career success.

Here's why you should encourage your child to participate in CTE.

## ACADEMIC AND COLLEGE SUCCESS

**80%**

of high school students taking both CTE and college prep courses meet college and career readiness goals, versus 63% who are college and career ready through college prep courses alone.<sup>1</sup>



**600,000+** high school students enroll in dual-credit CTE courses to earn college credit.<sup>2</sup>

## CAREER PLANNING



**6 out of 10** students plan to pursue a career related to the CTE area they're exploring in high school.<sup>3</sup>



Students enrolled in **CTE** courses are significantly more likely to develop problem-solving, project completion, research, communication, time management and critical thinking skills during high school.<sup>4</sup>

## CAREER AND TECHNICAL EDUCATION (CTE)

## EMPLOYMENT AND EARNINGS

**36%**

of **STEM** jobs require postsecondary credentials that CTE students can obtain within two years of high school graduation.<sup>5</sup>



Graduates with technical or applied science associate degrees can out-earn bachelor's degree holders by \$11,000.<sup>6</sup>

## SCHOOL AND JOB SATISFACTION

**81%**

of high school dropouts say relevant, real-world learning opportunities, like CTE, would have kept them in school.<sup>7</sup>



Graduates are twice as likely to be engaged at work if they had a meaningful internship or job while in college.<sup>8</sup>

*My career tech class has enabled me to do something I love and opened my eyes to possibilities that are ahead.* – Kelsey McClure<sup>9</sup>

*I'm forever grateful to career tech. I have learned how to manage time and money, be more responsible and support myself while being reliable to other people.* – Zachary Zigler<sup>10</sup>

<sup>1</sup> Southern Regional Education Board, <sup>2</sup> Thomas et al. 2013, National Center for Education Statistics, <sup>3</sup> NRCCUA® and ACTE 2016, <sup>4</sup> Lekes et al. 2007, National Research Center for CTE, <sup>5</sup> Rothwell 2013, Brookings Institution, <sup>6</sup> Schneider 2013, College Measures, <sup>7</sup> Bridgeland et al. 2006, Civic Enterprises, <sup>8</sup> Gallup-Purdue Index report, <sup>9</sup> Ohio Department of Education Career-Technical Education Success Stories, <sup>10</sup> Ibid.

# CTE in Texas



The Texas economy is experiencing a skills gap...

**54%** of jobs in Texas require skills training—more education than high school but less than a four-year degree.

**45%** of Texas workers are trained at this level.

Career and technical education (CTE) programs can fill these gaps, particularly in Texas's key industries, like:

- advanced manufacturing
- aerospace, aviation and defense
- energy
- information technology



In 2022, almost 94,000 Texas high school CTE concentrators graduated with an industry-based certification, postsecondary certificate, or associate or bachelor's degree.

Many students are already enrolled in CTE in Texas, developing technical, academic and employability skills and engaging in work-based experiences with industry partners. During the 2021-22 school year, Texas had:

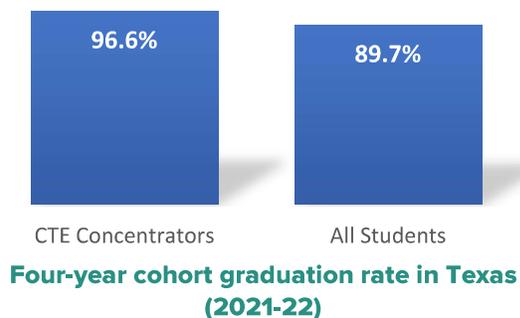
**1,792,279**

secondary CTE participants

**177,934**

postsecondary CTE participants

These youth and adult learners in CTE programs are more engaged, graduate high school at higher rates, earn industry-recognized credentials, and have rewarding and family-sustaining careers.



**112,191**

postsecondary credentials earned by CTE students in Texas (2021-22)



More investment is needed to scale CTE programs across Texas 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.

***CTE: Good for Students, Good for Business, Good for Communities!***

**FY 23 Federal Perkins CTE Funding for Texas**

**\$127,681,305**