

CTE by the Numbers

\$1.3 billion

Annual **federal investment** in CTE through the Carl D. Perkins Vocational Education Act.

11 million

The number of **American high school students** who are served by CTE classes.

81 %

Number of **dropouts** who reported that **relevant, real-world learning opportunities** would have kept them in high school.

93 %

The **average high school graduation rate** for students concentrating in CTE programs (compared to an average national freshman graduation rate of 80 percent).

\$2,000 to \$11,000

Additional amount of money that graduates with a **technical or applied science associate's degree** (according to research in Texas, Colorado, and Virginia) **out-earn their peers** with a bachelor's degree.

\$12.20

Dollar amount that each Wisconsin taxpayer receives in **benefits** for every dollar invested in the state's technical college system.

315,000

Number of **jobs open in manufacturing**.

27 %

Number of **people with less than an associate degree**, including licenses and certificates, **who earn more money** than the average bachelor's degree recipient.

55 million

Number of **job openings predicted to be created by 2020**—of which 30 percent will require some college or a two-year associate degree.

50 %

Number of all **STEM jobs** that are open to workers with less than a bachelor's degree.

1,019,000

Number of **jobs open in the trade, transportation, and utilities sectors**.

37 %

Number of **U.S. high school seniors** who are prepared for college work in math and reading.

80 %

Number of **manufacturers** who report that **talent shortages** will affect their ability to meet customer demand.

80 %

Number of **students taking a college preparatory academic curriculum** with rigorous CTE who met college and career readiness goals.

Sources: Adapted from "How Career and Technical Education Can Help Students Be College and Career Ready: A Primer," by B. Brand, A. Valent, and A. Browning, 2013, Washington, DC: American Institutes for Research. Copyright 2013 by American Institutes for Research; from "About CTE," by Association for Career & Technical Education, n.d., Alexandria, VA: Author. Copyright by Association for Career & Technical Education; from "IBM P-TECH School Boosts Number of Early Graduates Earning Both High School & College Tech Degrees," by A. Hu, 2016, Brooklyn, NY: IBM. Copyright 2016 by IBM; and from "CTE Works!," by Association for Career & Technical Education, 2016, Alexandria, VA: Author. Copyright 2016 by Association for Career & Technical Education.