

Career and Technical Education (CTE)

What is CTE?

Career and Technical Education (CTE) programs offer a sequence of courses that integrate with academics in a rigorous and relevant curriculum. CTE content is aligned with challenging academic standards and appropriate technical knowledge and skills needed to prepare for further education and a wide range of high-wage, high-skill, high-demand careers in current or emerging professions.

CTE Works for High School Students

- High school students involved in CTE are more engaged, perform better and graduate at higher rates.
- Taking one CTE class for every two academic classes minimizes the risk of students dropping out of high school.
- The average high school graduation rate for students concentrating in CTE programs is 93 percent, compared to an average national freshman graduation rate of 80 percent.

CTE Works for Business, Industry, and Community

- CTE addresses the needs of high-growth industries and helps close the skills gap.
- Half of all STEM jobs call for workers with less than a bachelor's degree.
- Health care occupations are projected to grow 18 percent by 2026, adding more than 2 million new jobs.
- 3 million workers will be needed for the nation's infrastructure in the next decade, including designing, building and operating transportation, housing, utilities and telecommunications.
- More than 80 percent of manufacturers report that talent shortages will impact their ability to meet customer demand.

Postsecondary CTE Prepares Students and Adults for In-Demand Careers

- Students can attend public community and technical colleges for a fraction of the cost of tuition at other institutions
- According to research in Texas, Colorado and Virginia, graduates with technical or applied science associate degrees out-earn bachelor's degree holders by \$2,000 to \$11,000.
- 27 percent of people with less than an associate degree, including licenses and certificates, earn more than the average bachelor's degree recipient.

LVHS CTE Programs of Study by Endorsement:

Business & Industry	Business & Industry	STEM	Public Services
Agribusiness	Design & Multimedia Arts	Programming and Software Development	Teaching and Training
Animal Science	Business Management		Healthcare Therapeutics
Applied Agricultural Engineering	Culinary Arts		Law Enforcement
Plant Science			