

# **Career Technical Education (CTE)**

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**State Board of Education**

**February 21, 2024**

# CTE in Vermont

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- In keeping with the provisions in 16 VSA 1531 and 1546 and State Board Rules 2372 and 2374, State approved career technical education programs in Vermont are offered at:
  - Vermont's 17 regional CTE centers
  - Canaan Memorial High School, due to its geographic isolation
  - Missisquoi Valley Union High School – agriculture programs only
- Priority in enrollment is given to 11<sup>th</sup> and 12<sup>th</sup> grade students. 10<sup>th</sup> graders are eligible to enroll if space is available, they meet admissions criteria, and they have the maturity to successfully participate (State Board Rule 2371).
- CTE centers provide full day programs (240 minutes per day) or half day programs (120 minutes per day).

# Pre-Tech Programs and Courses

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State Board Rule 2381 defines two kinds of state approved Pre-Tech programs:

- Pre-Tech Exploratory Programs are available to 9<sup>th</sup> and 10<sup>th</sup> grade students at 10 CTE centers. These programs meet for 120 – 240 minutes per day, and combine career exploration and integrated, applied academic content. Pre-Tech Exploratory program proficiencies align to CCV's Introduction to College and Careers ([CTE Pre-Tech Exploratory CTE Proficiency Summary](#)).
- Pre -Tech Foundations Courses (typically 40 – 60 minutes in length) are offered at some, but not all, CTE centers. These are introductory courses ([CTE Pre-Tech Foundational Proficiency Summary](#) )

# CTE Programs of Study

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- Vermont's CTE programs include:

Automotive Technology  
Auto Body Repair  
Diesel Technology  
Aviation

Diversified Agriculture  
Natural Resources  
Forestry  
Heavy Equipment Operation

Cosmetology

Business

Construction Trades  
Electrical Technology  
Plumbing  
HVAC

Engineering  
Advanced Manufacturing

Digital and Visual Arts

Culinary Arts

Health Sciences  
Dental Assisting

Information Technology  
Cyber Security

Welding/Metal Fabrication

Human Services  
Early Childhood Education  
Teacher Education

# CTE by the Numbers

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During the 2022 – 2023 school year:

- 5,262 students participated in CTE
- Of those, 3,016 were program concentrators. A concentrator is a student who completes at least one full semester in a full day program or at least one full year in a half day program.
- 96.77% of CTE concentrators graduated from high school in 4 years.
- 16.19% of CTE concentrators were preparing for nontraditional fields – fields where less than 25% of the workforce is male or female.

# CTE Program Quality and Student Success

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Of the CTE concentrators who left high school in June 2023:

- 58.31% earned one or more postsecondary industry recognized credentials. A list of postsecondary credentials approved for CTE programs of study has been developed and is regularly reviewed and updated: [Vermont CTE Programs Approved Post-Secondary Credentials \(Tier 2\) 2023-24](#)
- 39.88% earned college credits in their CTE program or center
- 44.49% participated in work-based learning, including unpaid career work experience or paid cooperative employment/internship.
- 96.36% were enrolled in college, pursuing advanced training, employed, or in the military.

# Statewide Professional Learning

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The Agency of Education and the CTE Directors' Association partner to provide statewide professional development for CTE educators, including:

- Technical Education and Collaboration (TEC) teacher meetings, held in October and May each year. Teachers meet by program area for two full days per year.
- CTE Summer Conference – 2 days in August
- Equity Learning Cohorts – comprised of CTE program instructors, counselors, special needs coordinators, and work-based learning coordinators who commit to two full days of professional learning each year

All professional learning aligns to the goals set forth in Vermont's Perkins V State Plan and/or to improving student outcomes.

# What comes next for CTE?

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- APA report on CTE funding and governance and next steps: [Study of the Funding and Governance of Career Technical Education in Vermont](#)
- Integrated Adult Education and Training System Study report, which includes adult career technical education: [Integrated Adult Education and Training System Study](#)
- Perkins State Plan revisions – public comment period opens later this month.
- Continued focus on improving student outcomes and ensuring program quality and rigor.