

**5440-17 Career and Technical Education (Revised 4/29/10)**

*The holder is authorized to teach one or more career cluster area courses of study in a career and technical center in grades 9-12 as specified on the endorsement.*

In order to qualify for this endorsement, a candidate must demonstrate the following:

Core Knowledge Standards:

**Demonstrates knowledge of how to plan, deliver, and evaluate instruction based upon knowledge of Vermont's Framework of Standards and Grade Level Expectations; Career and Technical Student Organization standards; Vermont's Career and Technical knowledge and skills competencies; and student, community and workforce needs, including industry standards and procedures. Specifically, the educator understands:**

The legal and ethical requirements and safety issues pertaining to the specific trade or industry

Career and technical education curriculum and assessment strategies and instructional methods that enable integration, via applied learning opportunities and activities, of Vermont's standards and Grade Level Expectations with the industrial skills necessary for success in the specific career cluster area of study

Equity issues in career and technical education including occupational stereotypes and strategies to break down barriers to opportunities for male and female students in non-traditional occupations

Skills, techniques, and procedures for effectively integrating students with special needs in career and technical education settings

The career development/planning process and how to integrate employability skills into the curriculum

The significant role in career and technical education of partnerships and collaborative relationships with industry, organized labor, parents, community agencies, and post-secondary institutions in delivering the curriculum, and how to form advisory committees that include these parties

How to foster the development of students' leadership skills through delivery of the curriculum, and incorporation of appropriate career and technical student organization standards into the curriculum

Core Performance Standards:

**The educator implements a comprehensive, standards-based curriculum that incorporates industry skill standards and enables students to acquire the knowledge, skills, and attitudes that will prepare them to succeed in the chosen trade or industry. Specifically, the educator:**

Integrates the teaching of Vermont's standards and Grade Level Expectations throughout all instructional activities

Creates instructional activities that provide students with the knowledge and skills to successfully complete the program of study assessments within the particular trade or industry

Collaborates with the Career and Technical Education Special Needs Coordinator to effectively integrate students with special needs into his/her classroom and to meet each student's individual learning needs

Consults with industry advisory committees, colleagues, the community, and parents to maximize curricular and instructional resources, and develops experiential learning opportunities for students

Plans, organizes, and manages laboratories/technical facilities for instruction so that activities are carried out in accordance with state and national safety guidelines and in compliance with all local, state, and federal regulatory codes governing the trade or industry

Demonstrates sensitivity to inequities in technical education learning and career opportunities by incorporating specific instructional activities that promote equity

Fosters the development of students' leadership, teamwork, and effective communication skills, and teaches department in a manner appropriate to the industry

Advises students in the career planning process and teaches employability skills as indicated in the program core competencies developed by industry and education

Additional Requirements:

**To qualify for the Apprenticeship License, the individual must:**

1. Hold a high school diploma, or the equivalent, and have 6 years of work experience in the career cluster field, OR  
Hold an associate's degree in any field, or the equivalent, and have 4 years of work experience in the career cluster field.

(Possession of one or more of the industry credentials/certifications offered in the program that the person will teach may be substituted for the required years of work experience.)

**To qualify to apply for a Level I License, the Apprenticeship License holder must:**

1. Successfully complete the Career and Technical Teacher Education Program, including development and review of a culminating portfolio, AND
2. Complete the requirements for an associate's degree, or the equivalent

**To qualify to apply directly for a Level I License, the individual must:**

1. Hold an associate's degree in any field, or the equivalent, AND
2. Complete an educator preparation program in the career cluster field, or qualify for licensure in the career cluster field through Transcript Review or Peer Review (a minimum of a bachelor's degree is required for Peer Review), AND
3. Have 2 years of work experience in the career cluster field

(Possession of one or more of the industry credentials/certifications offered in the program that the person will teach may be substituted for the required years of work experience.)