

ACTE Quality CTE Program of Study Framework



Element 7: Facilities, Equipment, Technology and Materials

The *ACTE Quality CTE Program of Study Framework*[™] (2018 version) and companion self-evaluation instrument is an evidence-based framework defining high-quality CTE. With more than 90 criteria organized under 12 elements, the Framework captures the full range of activities across a CTE program of study that are essential for quality. Access the complete framework, the self-evaluation instrument and resources that support success within each element at www.acteonline.org/high-quality-cte.

Criteria Under the Facilities, Equipment, Technology and Materials Element

This element addresses the alignment, appropriateness and safety of the physical/material components of the program of study, including laboratories, classrooms, computers, industry-specific equipment, and tools and supplies that support learning.

- a. Facilities, equipment, technology and materials used in the program of study reflect current workplace, industry and/or occupational practices and requirements.
- b. Facilities, equipment, technology and materials support and align to curriculum standards and program objectives.
- c. Facilities, equipment, technology and materials meet federal, state and local standards for occupational safety and health in the related industry, as appropriate.
- d. Students demonstrate safe and appropriate use and maintenance of facilities, equipment, technology and materials within the program of study.
- e. Processes are defined and resources provided to regularly inspect, update and replace facilities, equipment, technology and materials.
- f. The program of study maximizes student access to relevant facilities, equipment, technology and materials through partnerships and flexible delivery models.



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Additional Criteria Relevant to Facilities, Equipment, Technology and Materials

The Framework criteria are designed to be mutually exclusive to ensure that programs are not doubly rewarded or punished for criteria that they have or have not implemented. However, the following criteria from other elements of the Framework can add relevance to an assessment of progress on the Facilities, Equipment, Technology and Materials element.

- *Standards-aligned and Integrated Curriculum:* Criteria describing how CTE curriculum reflects industry standards and enables students to apply their knowledge and skills in authentic scenarios, including through the use of relevant facilities, equipment, technology and materials (a, e, g).
- *Student Assessment:* A criterion addressing multiple forms of assessment, including performance-based assessments that incorporate relevant equipment and technology (b).
- *Prepared and Effective Program Staff:* Criteria about professional development and administrator supports that help staff maintain up-to-date knowledge and skills about the use of facilities, equipment, technology and materials (b, d, f).
- *Engaging Instruction:* Criteria describing instruction that incorporates relevant equipment, technology and materials and enables students to apply knowledge and skills within authentic scenarios (c, e).
- *Access and Equity:* Criteria addressing the need for facilities, equipment, technology and materials to be provided in a way that is free from bias, inclusive and ensures all students have the opportunity to achieve success (d, e).
- *Business and Community Partnerships:* Criteria about partners' roles in evaluating facilities, equipment, technology and materials and providing material support to programs, which may include donating equipment or funding for facilities (d, f).
- *Work-based Learning:* Criteria describing work-based learning safety and liability issues as well as delivery methods for work-based learning that maximize meaningful interaction with business professionals, which may include the use of facilities and equipment at worksites (e, f).
- *Data and Program Improvement:* A criterion about the use of data for program improvement, which may include data about facilities, equipment, technology and materials (c).