
Career and Technical Education (CTE) Courses and Standards

The Background:

T.C.A. § 49-1-302(a)(8) authorizes the State Board of Education to “set policies governing all academic standards and courses of study in the public schools.” Additionally, State Board Rule 0520-01-03-.05(1) calls for the State Board to adopt standards for each subject area, grades K-12. The approved standards are to be the basis for planning instructional programs in each local school system.

This item includes new and revised course standards for the following CTE career clusters:

- Agriculture, Food, and Natural Resources
- Finance
- Health Science
- Hospitality & Tourism
- STEM
- Transportation

The high school CTE course standards format has also been updated based on educator feedback for ease of use and to align more closely with competency-based industry and postsecondary standards.

These new and revised standards have been reviewed by industry, secondary, and postsecondary partners. Additional feedback was solicited between first and final reading. Pursuant to T.C.A. § 49-1-309, the State Board submitted the proposed changes to the education committees of the House and Senate prior to final reading. These CTE course and standards changes will go into effect for the 2023-24 school year.

Agriculture, Food, and Natural Resources Career Cluster	
Agriscience	Revised standards
Advanced Food Science	Revised standards
Food Science and Safety	Revised standards
Plant and Soil Science	Revised standards
Natural Resource Management	Revised standards
Principles of Food Production	Revised standards
Finance	
Accounting I	Revised standards
Accounting II	Revised standards
Banking & Finance	Revised standards
Financial Planning	Revised standards
Health Science	
Anatomy & Physiology	Revised standards
Cardiovascular Services	Revised standards
Clinical Internship	Revised standards
Dental Science	Revised standards
Diagnostic Medicine	Revised standards

Emergency Medical Services	Revised standards
Emergency Medical Services Practicum	Revised standards
Exercise Science	Revised standards
Health Science Education	Revised standards
Introduction to Health Scienc	Revised standards
Medical Assisting	Revised standards
Medical Terminology	Revised standards
Medical Therapeutics	Revised standards
Nursing Education	Revised standards
Pharmacological Science	Revised standards
Public Health & Epidemiology	Revised standards
Rehabilitation Careers	Revised standards
Hospitality & Tourism Career Cluster	
Culinary Arts I	Revised standards
Culinary Arts II	Revised standards
Culinary Arts III	Revised standards
Culinary Arts IV	Revised standards
Hospitality & Tourism Management I	Revised standards
Hospitality & Tourism Management II	Revised standards
Hospitality & Tourism Management III	Revised standards
Event Planning & Management	Revised standards
STEM Career Cluster	
BioSTEM I	Revised standards
BioSTEM II	Revised standards
BioSTEM III	Revised standards
BioSTEM Practicum	Revised standards
Engineering Design I	Revised standards
Engineering Design II	Revised standards
Engineering Practicum	Revised standards
Principles of Engineering and Technology	Revised standards
STEM I: Foundations	Revised standards
STEM II: Applications	Revised standards
STEM III: STEM in Context	Revised standards
STEM IV: STEM Practicum	Revised standards
Transportation Career Cluster	
Aviation I: Principles of Flight	Revised standards
Aviation II: Advanced Flight	Revised standards
Collision Repair: Damage Analysis, Estimating, and Customer Service	Revised standards
Collision Repair: Non-Structural	Revised standards
Collision Repair: Painting & Refinishing	Revised standards
Introduction to Aerospace	Revised standards
Introduction to Collision Repair	Revised standards
Maintenance and Light Repair I	Revised standards
Maintenance and Light Repair II	Revised standards
Maintenance and Light Repair III	Revised standards
Maintenance and Light Repair IV	Revised standards
Unmanned Aircraft Systems Pilot	Revised standards

Revisions between first and final reading include the following edits to these courses:

- Agriculture, Food, and Natural Resources Career Cluster
 - Minor clerical edits
 - Clarification of lab science alignment.
- Finance Career Cluster
 - Additional standard(s) added to address professionalism in the Accounting I course and Banking and Finance course.
- Health Sciences Career Cluster
 - Clarification that the Nursing Education course can only be taught by a Registered Nurse or License Practical Nurse if certifying students to be a Certified Nursing Assistant (CNA).
- STEM Career Cluster
 - Minor clerical edits
 - Clarification of lab science alignment

The Fiscal Analysis Impact:

T.C.A. § 49-1-212 requires that the Department prepare a fiscal analysis of any policy, rule, or regulation proposed to the State Board of Education. This item has no financial impact on an LEA.

Policy Justification:

T.C.A. § 4-5-230 requires that justification for adopting an item as a policy instead of a rule be submitted to the chair of the Government Operations Committee. This item is proposed to be adopted as a policy because it defines or explains the meaning of a statute or rule and/or concerns only the internal management of state government that does not affect private rights or privileges.

The Recommendation:

The Department of Education recommends approval of this item on final reading. The SBE staff concurs with this recommendation.