
Architecture and Construction Course Standards

The Background:

Rules, Regulations, and Minimum Standards of the State Board of Education 0520-01-03-.05(1) calls for the State Board of Education to adopt curriculum 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. Adopted textbooks are also to be aligned with the state curriculum standards. Section 3.205 Approved High School Courses of the State Board of Education Policy identifies those courses which have been approved by the Board for instruction across the state.

The Department of Education's Division of Career and Technical Education (CTE) is proposing changes to approved course standards in the Architecture & Construction career cluster. This item includes new and revised courses within this career cluster that are now better aligned with postsecondary pathways, incorporate added instructional rigor by embedding Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and where applicable, Mathematics, and reflect the competitive employment demands of our state.

Courses included in this item:

Architectural & Engineering Design I	Revised/Renamed Course
Architectural & Engineering Design II	Revised/Renamed Course
Architectural & Engineering Design III	Revised/Renamed Course
Fundamentals of Construction	Revised/Renamed Course
Residential & Commercial Construction I	New Course
Residential & Commercial Construction II	New Course
Structural Systems I	New Course
Structural Systems II	New Course
Construction Practicum	New Course

Since first reading of the standards included in this item, the CTE Division has accepted feedback from Tennessee educators, CTE Directors, and industry experts via the CTE.Questions@tn.gov email address and through individual communications. Based on that feedback, the following changes have been made to the item since first reading:

- Made minor grammatical and formatting edits, in addition to small changes in language to enhance alignments to Tennessee State Standards for English Language Arts and Literacy in Technical Subjects as well as Tennessee State Standards in Mathematics and Visual Art.
- Updated career exploration standards and project management standards in the *Structural Systems* courses to ensure consistency and logical progression throughout the different course levels. Also in *Structural Systems*, standards

have been added to address knowledge around installing windows, green building practices, and construction drawings and specifications.

- Added construction drawings and specification standards to *Residential and Commercial Construction* courses and the *Fundamentals of Construction* course.
- Removed *Mechanical, Electrical, and Plumbing Systems I* and *Mechanical, Electrical, and Plumbing Systems II* courses from consideration. Based on industry feedback, new courses *Mechanical, Electrical, and Plumbing (MEP) Systems* and revised and renamed courses *Electrical Systems, HVAC, and Plumbing Systems* have been submitted in a separate item for first reading.

The Recommendation:

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