

Construction

The Construction career cluster is essential to Tennessee's economy, preparing students for careers in designing, planning, managing, building, and maintaining the built environment. Professionals in this field contribute to a wide range of projects, including new construction, restorations, additions, alterations, and repairs. As one of the largest industries in the United States, construction continues to be a major economic driver, with strong job growth projected in the coming years.

The demand for skilled workers in this sector is expected to rise due to increasing development projects and the need to replace experienced professionals leaving the workforce. To address this need, Tennessee has developed specialized programs of study within the Architecture and Construction career cluster, including Architecture & Engineering Design, Mechanical, Electrical, and Plumbing Systems (MEPs), Residential and Commercial Construction, and Structural Systems. These programs equip students with the technical knowledge, industry-relevant skills, and hands-on experience necessary for postsecondary, workforce, career and technical education (CTE), and military readiness.

Tennessee continues to expand educational programs that provide students with direct pathways to success in architecture, engineering, and construction. A key indicator of the effectiveness of these initiatives is the steady rise in the number of students completing sequenced courses in approved programs of study, reflecting the state's commitment to strengthening its talent pipeline.

As the industry evolves with advancements in materials, sustainable practices, and emerging technologies, Tennessee remains focused on preparing the next generation of professionals to lead future innovations. By fostering strong connections between education and industry, the state is ensuring a well-trained workforce that will continue to build and shape communities for years to come.

Mechanical, Electrical, and Plumbing (MEP) Systems

- Year 1: [Fundamentals of Construction](#)
- Year 2: [Mechanical, Electrical, & Plumbing Systems](#)
- Year 3: [HVAC](#)
- Year 4: [Construction Practicum](#)
- Year 4: [Work-Based Learning: Career Practicum](#)