

CARPENTRY

Cookeville High School | CTE Programs | Program of Study

High School Classes

Construction Core

Carpentry I

Carpentry II

Dual Credit (DC)/ Dual Enrollment (DE)/Certificates

As part of the program of study, Cookeville High Carpentry is offering two industry certifications to our carpentry students. NCCER Certification offered to all the students who have a year of taking Carpentry I/II and Core. The second industry certification is a Project Manager certificate from Nashville State Community College (Dual Credit). The above certifications will not only give them a head start in their college career earning nine college credit hours, but also give them an edge getting a construction related job once they graduate from high school.

Student Opportunities

Students who choose Carpentry as their program of study could have a career in any area of construction including residential and commercial, masonry, heating, ventilation, and air conditioner repair, roofing electrical, and plumbing trades, and many more.

“Employment in the construction sector is projected to grow 2.6 percent annually. This equates to 1.6 million new jobs over the

2012-22 decade, the most among goods-producing sectors and third most among all major industry sectors” (United States Department of Labor, 2013). “Carpentry prepares students with knowledge and skills related to residential and commercial carpentry and covers wood, metal, and concrete building

materials, fasteners, hand and power tools, fabrication based on construction plans, framing of platform, and post-and-beam structures, stairs, installation and trim of windows and doors, installation and repair of gypsum wallboard, advanced site layout, exterior finish work,

thermal and moisture protection and introduction to welding.

Upon completion of this POS, students will have had the opportunity to participate in an Entrepreneurship capstone and will have acquired the skill and knowledge base typically required for apprentice carpenters” (Tennessee Department of Education 2015).



Careers

Apprentice, Assistant Project Manager, Building Inspector, Carpenter, Civil Engineer, Concrete Laborers, Construction Assistant, Construction Coordinator, Construction Engineer, Construction Foreman, Construction Manager, Construction Superintendent, Construction Supervisor, Construction Worker, Contract Administrator, Contract Manager, Crane Operator, Dry Wall Finisher, Dry wall Installer, Estimator, Electrician, Equipment Operator, Field Engineer, Framing Carpenter, General Laborer, Inspector, Iron Worker, Joiner, Laborer, Master Electrician, Master Plumber

Degrees & Certifications

Nashville State Community

College: Architectural Engineering Technology

Tennessee College of Applied

Technology: Building Construction

Kaplan College: Electrical Technician

The Art Institute of Tennessee -

Nashville: Interior Design

Fortis Institute: HVAC, HVACR Trades

Miller-Motte Technical College:

Electrical Systems, HVAC/Refrigeration

Lincoln College of Technology:

Heavy Equipment

Remington College: Heating, Ventilation, & Air Conditioning

ITT Technical Institute: Drafting and Design Technology, Project Management and Administration-Construction

Competitions

Our students often have the chance to shine at national Career Development Events and competitions at SkillsUSA Regional competition including Carpentry event for Middle Tennessee.



Carpentry contestants frame walls using wood or metal studs. Each contestant is judged on accuracy, ability to read and interpret blueprints, workmanship and the proper use of tools and materials. The contests are planned by technical committees made up of

industry representatives and are designed to test the skills needed for successful entry-level performance in given occupational fields. Due to their tremendous importance, safety practices and procedures are also judged as a component of each contestant's overall score.

Industry Participants

The Home Builders Association is nonprofit trade organization that includes Contractors, Remodelers, and others who are involved in the construction industry in Cookeville and throughout the Upper Cumberland Region. The Association strives to educate, protect, and promote the local home building industry including high schools of the Upper Cumberland Region.



- Mansell Construction-Taylor Mansell
- Holloway and Sons Construction- Jason Holloway
- Delmonaco Construction-Josh Jackson