

ABOUT THE SHOP

The Construction Technology program at Warren Tech is a comprehensive course of study that incorporates all aspects of building and construction. Students explore a full range of construction trades and gain skills in blueprint reading, masonry and foundations, carpentry and framing, siding, roofing, and finish work such as spackling, painting, flooring, and millwork. Students are exposed to the entire construction project from pouring a foundation to the finishing touches of flooring, molding, and painting. Students begin with an introduction to hand tool skills and the applied safety measures. At the completion of the four years in construction technology, students will have successfully achieved the skills to work in a variety of construction fields.

CERTIFICATIONS

- OSHA 10 Construction Safety
- OSHA 30 Construction Safety
- Forklift Certification
- Ladder Safety Certification
- Scissor Lift Certification

CAREER PATHWAYS

- Carpenter's Union
- Construction Manager
- General Contractor
- Project Manager
- Inspector
- Site Engineer

EVENTS/TRIPS

- Construction Industry Career Fair
- Build Your Future Career Fair
- Northeast Atlantic States Carpenter's Training Center

For More Information

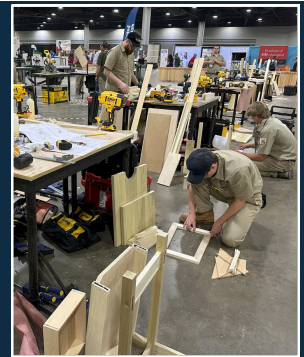
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GO FOR THE GOLD AT SKILLSUSA!

Each year, Construction Technology students participate in SkillsUSA, where they demonstrate their skills across a range of categories, including carpentry, plywood design, build challenge, drywall, and cabinetmaking. These events offer a tremendous opportunity for students to refine their abilities, gain recognition, and prepare for rewarding careers in the construction industry.



MEET THE INSTRUCTOR

Mr. Scott Lance has been an instructor at Warren Tech since 2016, after operating a Building and Excavating company for 35 years, specializing in residential construction and historic restoration. Mr. Lance continues to produce historic furniture reproductions and give demonstrations on pre-industrial carpentry and woodworking, utilizing historic methods and tools.





Construction Technology

Course Outline

CONSTRUCTION TECHNOLOGY 1

- Basic Construction Site Safety
- Construction Math
- Measuring
- Materials/Fasteners
- Hand Tool Identification and Use
- Power Tool Identification and Use
- Blueprint Reading

CONSTRUCTION TECHNOLOGY 2

- Construction Site Safety
- Site Layout
- Masonry
- Floor and Wall Framing
- Project Design and Completion

CONSTRUCTION TECHNOLOGY 3

- Construction Site Safety
- Roofing Framing and Roofing
- Exterior Windows and Doors
- Exterior Finish: Siding and Exterior Trim
- MEPF (Mechanical, Plumbing, Electrical & Fire Prevention)

CONSTRUCTION TECHNOLOGY 4

- Construction Site Safety
- MEPF (Mechanical, Plumbing, Electrical & Fire Prevention)
- Interior Finish: Drywall and Interior Trim
- Cabinetry
- Painting
- Decks and Porches