



Carpentry

accredited by Association of General Contractors (AGC)



CARPENTRY develops skills and knowledge of constructing houses and commercial buildings. Students will learn the proper care and safety of tools and equipment and how to work from plans and specifications. Students will frame and complete the exterior of a structure. They will also complete the interior and construct and install cabinets and counters. They will become versed in all areas of alterations.

Work Environment

Carpenters work outdoors as well as indoors and should not be afraid of heights. Safety rules must be followed outdoors and in the shop. Hand tools and power tools are used. Advancement will require additional training and education beyond high school and/or experience.

Career Opportunities

Cabinetmaker
Carpenter Foreperson
Estimator
Finish Carpenter
Flooring Installer
Framer
General Carpenter
Roof Installer
Siding Installer (all types)
Stage-set Carpenter
Trimmer (inside)

Advanced Standing Available*

New England Institute of Technology
Pennsylvania College of Technology
SUNY Alfred
SUNY Delhi

*Advanced Standing may be available to those who successfully complete this Tech course. See Articulation Agreements on page 41.

In agreement with Local 7 Carpenters Union, upon earning a 2 year certificate at Wilson Tech, student will enter union as a 2nd year apprentice earning approximately \$18 an hour.

Employment Outlook

Jobs are available with contractors who are doing new construction or building additions to existing houses,

adding garages, carports, and other types of wood frame construction. There are also jobs available in the area for renovations of small business shops and office buildings.

Starting Salary: \$12–\$19 per hour is the national average for a 35-hour week for carpenters' helpers.

Student Supplies (approx. \$150)

1. Work shirt, jeans/carpenter's pants
2. Hard-soled work boots
3. 3 pencils, 3 carpenter pencils
4. Tape measure (25' min., 1" wide)
5. Carpenter's tool belt
6. Safety goggles

Academic credits integrated:

See chart, page 26

CTE Endorsement

In order to be granted the Technical Diploma endorsement, students must successfully meet the academic and attendance criteria for a two-year Wilson Tech Certificate of Completion, including Career and Financial Management (CFM), and pass the following national certification exam: National Center for Construction and Education Research (NCCER) Carpentry Exam.

Course Outline

- Shop and Field Safety Procedures
- Basic Hand Tools: Care and Maintenance

- Power Tools: Care and Maintenance
- Interpretation of Blueprints and Drawings
- Green Technology
- Skills in Accurate Workmanship
- House Framing and Foundation Forms
- Roofing
- Sheetrock/Spackle
- Siding
- Stairs
- Railings
- Flooring
- Cabinet Assembly & Installation
- Moldings
- Door Installation
- Suspended Ceilings
- Metal framing
- Interior Finish

Consider these classes at Tech

- Architectural Design/ CAD
- Building Grounds/ Maintenance*
- Building Trades*
- Construction Electricity
- Design and Production Technology*
- Heating/Ventilation/ AC (HVAC)
- Welding

All placements are based upon individual needs and approval from the district and parent/guardian.

*Smaller class size.