

UNION CARPENTERS

It's brutal out there.

Today's construction climate in Northeast Ohio is growing more and more competitive by the day. If you don't stay ahead of the game, you'll be on the sidelines. Smart contractors can put their best foot forward – from the bidding process to the punch list – by leveraging the training programs of the Ohio and Vicinity Regional Council of Carpenters (OVRCC) and the Construction Employers Association (CEA).

Today's union carpenters are the product of rigorous training, exhaustive testing and comprehensive continuing education. These professionals meet – and exceed – the demands for any set of skills at job sites in the residential, commercial, industrial or institutional markets.

The United Brotherhood of Carpenters and Joiners of America (UBC) believes that nothing should be taken for granted in today's construction industry. Attention must be given to evolving technology, competition from nonunion workers and strict building code specifications.

To accomplish that, the UBC dedicates more than \$100 million every year to train its members. And, in Northeast Ohio, an expansive \$2.2 million union carpenter training facility exists for union contractors to access. The 60,000-square-foot facility includes individual shops for each building trades program: carpentry, floor covering, cabinetmaker/millwork and millwright/pile driver. The facility also is equipped with multi-purpose classrooms and a state-of-the-art technology learning center.

The Construction Employers Association training facility provides classroom space used for safety and health training, drug abuse awareness and prevention programs. And, specific educational seminars are offered to cover a range of construction-

related topics, from blueprint reading and estimating to construction management and accounting.

Both facilities are staffed by industry veterans who are trained in the newest techniques of teaching a trade-based curriculum. Our teaching staff also includes certified computer instructors from Cuyahoga Community College, who help apprentices and journeypersons acquire the skills they need to be the best in the industry. These professionals also provide customized training – at the actual job site – if that's what it takes to keep our men and women properly trained for their job.

Why Training Matters:

- Smart, technologically adept carpenters are available for a variety of projects.
- Contractors are able to bid with confidence in their workforce's capabilities.
- Job site safety concerns are addressed through comprehensive and ongoing training.
- Budgets and timelines are met through productive workers with an eye on the big picture.
- The cost of materials are reduced through efficient use by skilled, professional carpenters.

Training at All Levels

Apprenticeship

During their four-year training, apprentices learn the foundation of quality carpentry and then build on their craft through rigorous specialty training. Classroom and on-the-job training is gauged via stringent testing. Carpenter apprentices may also pursue an Associate of Applied Science Degree in Applied Industrial Technology from Cuyahoga Community College while completing the four-year apprenticeship

program. Graduates hold the potential to become project managers, project estimators, construction foremen and superintendents.

Skill Enhancement

Smart contractors understand that employees who commit to career-long learning will ensure a productive and profitable workforce. At their fingertips are ongoing seminars, courses and programs to keep a company's workforce current with the latest in technology, materials, tools and installation or building strategies.

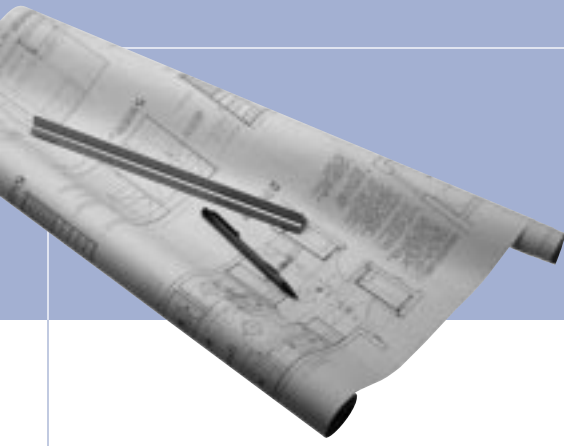
Addressing Today's Industry Demands

Our courses are designed to keep union carpenters on top of their game. Take a look at just some of the courses provided through union training:

Core Training:

- Basic level/transit
- Blueprint reading: basic, intermediate and advanced
- Computer training: basic, intermediate, auto cad
- Concrete form work
- Construction math
- Framing
- Heavy gauge steel
- Interior finish
- Interior systems
- Introduction to carpentry
- Layout
- Power tools, hand tools
- Roof framing
- Stair layout
- Welding for carpentry

TRAINING



UNION CARPENTERS

Cabinetmaker/Millwork:

- Assembly/Gluing/Clamping
- Cabinetmaking: basic, intermediate and advanced
- Display
- Drawer/Roll Outs
- Hand Tools/Power Tools
- Joinery
- Laminates/Veneers
- Layout
- Leg/Rail Construction/Table Tops
- Lumber/Sheet Goods
- Millwork/Panels
- Stair Building/Design

Floor Covering:

- Armstrong flash cove
- Basic carpentry
- Basic sheet goods
- Ceramics
- Floor laying concepts
- Geometric layout
- Heat welding for floors
- Jute and action back carpeting
- Modular tile and rubber base
- Prep work and layout
- Sheet goods concept, installation, flash cove and welding
- Technical math
- Unitary and enhancer back carpeting
- Velcro and modular carpeting
- Wood flooring
- Woven and axminster carpeting

Interior Systems:

- Barrel ceilings
- Basic metal studs/drywall
- Ingersoll-Rand door hardware
- Interior trim
- Solid surface installation
- Suspended ceilings
- Trade show industry

Millwright/Pile Driver:

- AWS certification
- Combustion turbine
- Conveyor layout
- Coupling alignment
- G.E. turbine familiarization
- Heavy rigging
- Information technology concepts
- Introduction to Pile Driving
- Machinery installation
- Microcomputer applications
- Millwrighting
- Monorail
- Optalign
- Overhead floor conveyor
- Precision optics
- Rotating equipment
- Shaft alignment
- Technical Math (degree)
- Welding: basic arc, intermediate, mig-tig
- Westinghouse combustion turbine

Residential Carpentry:

- Asphalt/wood shingles
- Heavy gauge framing
- Interior finish
- Metal framing and drywall
- Residential concrete
- Roof framing
- Rough framing
- Stair construction

Safety Training:

- 1926 Subpart E Personal Protective and Life Saving Equipment
- Aerial lift operation qualification
- Confined space entry
- Electrical Safety in Residential Construction – LEP
- Ergonomics
- Fall protection

- Fall Protection Requirements for the Residential Contractor
- First aid/CPR
- Hazard communication
- Hilti/Ramset power tool certification
- Lift truck operator certification
- OSHA Act, Standards, Inspections, Citations, Penalties, Competent Person and Multi-Employer Worksite Citation Policy
- OSHA 10 – safety training passport
- OSHA 10 and 30 – residential
- OSHA 30 – construction
- Pneumatic Power Tools
- Residential Construction Excavation Safety Requirements
- Residential Construction LEP Scaffolding Safety
- Rigging: refresher and qualification
- Scaffold refresher
- Stairways and Ladders 29 CFR 1926.1050-1053
- Standard scaffold
- Trench Collapse



**RETOOLING, REBUILDING AND
REJUVENATING FOR A STRONGER OHIO**

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